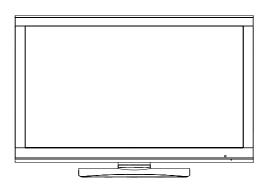
HITACHI

SERVICE MANUAL

ΥK

No.006E-1

55PMA550 55HDM71 (PW1)



Caution -

Be sure to read this manual before servicing. To assure safety from fire, electric shock, injury, harmful radiation and materials, various measures have been provided for in this HITACHI Plasma display service manual. Be sure to read all cautionary items described in the manual to maintain safety before servicing.

- Service Warning -

- 1. Since the Panel Module and front Filter are made of glass, handle a broken Module and/or Filter with sufficient care, in order not to be injured.
- 2. Repair work should not be started until after the Panel Module and the AC/DC Power supply have cooled sufficiently.
- 3. Special care should be exercised in the proximity of the display area in order not to damage its surface.
- 4. The Panel Module should not be touched with bare hands, as this will protect its surface from stains.
- 5. It is recommended to use clean soft gloves during the repair work in order to protect not only the display area of the Panel Module but also the technician.
- 6. The Chip Tube of the Panel Module (located in the upper left corner of the back of the glass panel) is very fragile; as well, the flat cables connecting the Panel to the drive circuit PWBs are very weak. Take care not to damage these, otherwise, the panel will never light again..

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SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

Plasma Display

CAUTION FOR SAFETY

Please read this page before making repairs to the monitor.

This page explains certain safety items found in this manual which are intended to ensure the safety of the technician and to prevent accidents during any repair work.

	This symbol means "Personnel Electrical Safety Hazard"
⚠ Caution	This symbol means "Equipment Operational Hazard"

Ŵ	This symbol means "CAUTION"				
A	This symbol means "POSSIBILITY OF				
	ELECTRIC SHOCK"		l		

0	This symbol means "DO IT!"
0	This symbol means "DON'T DO IT!"

MARNING

■ Special Instructions



This indicates cabinet, chassis or parts which require special attention.

Please follow any notes as well as all safety precautions.

■ Prevent electrical shock

Please use care and caution when servicing this product. High voltages exist in the set which can cause injury or death.



Please disconnect the AC power during repair to prevent serious shock or death.

■ Use only recommended components.



Please use the same characteristic components, which is same as previous for your safety. To ensure reliability, specially marked parts (△) should be OEM when replaced. These parts are also safety related, so electrical shock and/or fire could result from using generic parts.

■ Keep the same wiring dress for boards.

This monitor uses insulated spacers which are intended to isolate metal parts from electrical components.



Internal wiring is isolated from components by using clamps, retainers, etc., so please return to original condition for prevention of electrical shock or fire.

■ Safety check should be done after finished.

Every part (removed screws, component and wiring) should be returned to previous condition.



Check around the repaired area for any damage by mistake. Measure the insulated impedance of AC by ohm meter. Confirm that the value of impedance is greater than 4M ohm.

It is possible for electric shock or fire to occur if the value is less than 4M ohm.

■ Repair to the HDCP circuit is limited.



Never remove the shield case, which is assembled to code with the HDCP circuit

PRECAUTIONS

• How to clean the plasma panel screen (front glass) of the monitor -

Before cleaning the monitor, turn off the monitor and disconnect the power plug from the power outlet. To prevent scratching or damaging the plasma screen face, do not wipe the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. If it is not clean enough, then use a cloth with glass cleaner. Do not use any harsh or abrasive chemicals.

• How to clean the cabinet of the monitor

Use a soft cloth to clean the cabinet and control panel of the monitor. When excessively soiled dilute a neutral detergent in water, wet and wring out the soft cloth and afterward wipe with a dry soft cloth.

Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, OA cleaner, car wax, etc. because they could cause discoloration, scratches or cracks.

1. Features

• Large-screen, high-definition plasma display panel

The 55-inch color plasma display panel, with a resolution of 1366 (H) x 768(V) pixels, creates a high-definition, large-screen (aspect ratio : 16:9) and low-profile flat display. Free from electromagnetic interferences from geomagnetic sources and ambient power lines, the panel produces high-quality images free from any color misconvergence or corner focus distortion.

• High Performance Digital Processor

A wide range of personal computer signals can be handled, from 640 x 400, 640 x 480 VGA to 1600 x 1200 UXGA. (RGB analog input)

• Easy-to-use remote control and on-screen-display system (OSD)

The remote control included eases the setting of display controls. Furthermore, the on-screen-display (OSD), displays the input status control settings in an easy-to-view fashion.

Power saving system

The International ENERGY STAR® power saver feature saves power consumption automatically when input signals are not available.

When connected to a VESA DPMS-compliant PC, the monitor cuts its power consumption while it is idle.

• TruBass

TruBass, SRS and (♠)® symbol are trademarks of SRS Labs,Inc.

TruBass technology is incorporated under license from SRS Labs, Inc.

- One mini D-sub terminal and one DVI-D terminal for RGB input.
 - The D-sub terminal can also receive the RGB-component by On-Screen Display control.
- One composite/S.video input terminal and two component video input terminals added with VIDEO board. One component input is possible to switch to RGB signal input from the Menu screen.
- One SCART terminal for the signal of the European standard added with VIDEO board. It operates as composite/S.video input and RGB input terminal, or composite video output terminal.
- One composite video output terminal as a monitoring output added with VIDEO board.

2. Specifications

		55PMA550	55HDM71				
Panel	Display dimensions	Approx. 55 inches (1229 (H) x 691	(V) mm, diagonal 1410mm)				
	Resolution	1366 (H) x 768	(V) pixels				
Net dimensions (excluding Speakers/Stand)		1394 (W) x 857 (H) :	x 105 (D) mm				
Net weight (excluding Spe	eakers/Stand)	63.5kg	64.2kg				
Ambient	Temperature	Operating: 5°C to 35°C, Sto	orage : 0°C to 40°C				
conditions	Relative humidity	Operating: 20% to 80%, Storage: 2	20% to 90% (non-condensing)				
Power supply		AC100 - 240V,	50/60Hz				
Power consun	nption/at standby	530W / <3	3W				
Audio output	,,	12W + 12W (6 ohm load).	sub woofer terminal (RCA)				
(RGB input)		(· · · · · · · · · · · · · · · · · · ·					
, ,	Input terminals	RGB1 audio input terminal (3. RGB2 analog RGB input ter	RGB1 DVI input terminal (DVI-D) RGB1 audio input terminal (3.5mm Stereo Mini Jack) RGB2 analog RGB input terminal (D-sub 15-pin) RGB2 audio input terminal (3.5mm Stereo Mini Jack)				
Input signals	Video signals	0.7 V/1.0 Vp-p, analog RGB (Recommended Signal) 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/60					
	Sync signals	H/V composite, TTL level (2K Ω) H/V separate, TTL level (2K Ω) Sync on green, 0.3 Vp-p (75 Ω)					
Recommende	d signal	47 mode	es				
(Video input)							
Input signals	Input terminals	AV1: composite video input terminal (RCA) AV1: Y PB PR video input terminal (RCA) AV1: L/R audio input terminal (RCA) AV2: composite video input terminal (RCA) AV2: Y/G PB/B PR/R video input terminal (RCA) AV2: L/R audio input terminal (RCA) AV3: composite video input terminal (RCA) AV3: composite video input terminal (RCA) AV3: L/R audio input terminal (RCA) AV3: L/R audio input terminal (RCA) AV4: composite video / S video / RGB / L/R audio input terminal (Scart)					
	Video signals	AV1: PAL, SECAM, NTSC3.58, NTSC4.43 AV1: NTSC-M, PAL-M, PAL-N AV2: PAL, SECAM, NTSC3.58, NTSC4.43 AV2: PAL, SECAM, NTSC3.58, NTSC4.43 AV2: NTSC-M, PAL-M, PAL-N AV3: PAL, SECAM, NTSC3.58, NTSC4.43 AV4: NTSC-M, PAL-M, PAL-N AV4: PAL, SECAM, NTSC3.58, NTSC4.43 AV4: NTSC-M, PAL-M, PAL-N AV4: RGB					
Video output S	Signal	OUTPUT (MONITOR): composite video monitor-output terminal (RCA) OUTPUT (MONITOR): L/R audio monitor- output terminal (RCA) AV4: composite video / L/R audio monitor-output terminal (SCART)					
Recommende	d signal	15 modes	13 modes				

The monitor takes at least 30 minutes to attain the status of optimal picture quality.

Applicable video signals for each input terminal

Terminal		RC/	A/SCART		D	VI	D-sub			
Signal	CVBS S-video Component RGB		RGB	PC	STB	RGB	Component			
AV1	0		0							
AV2	0		0	0						
AV3	0	0								
AV4	0	0		0						
RGB1					0	0				
RGB2							0	0		

(O:Available)

3. Service points

Lead free solder

This product uses lead free solder (unleaded) to help preserve the environment. Please read these instructions before attempting any soldering work.

Caution: Always wear safety glasses to prevent fumes or molten solder from getting into the eyes. Lead free solder can splatter at high temperatures (600°C).

■ Lead free solder indicator

Printed circuit boards using lead free solder are engraved with an "F."

■ Properties of lead free solder

The melting point of lead free solder is approximately 40-50°C higher than leaded solder.

■ Servicing solder

Solder with an alloy composition of 96.5Sn/3.0Ag/0.5Cu or 99.3Sn/0.7Cu is recommended.

Although servicing with leaded solder is possible, there are a few precautions that have to be taken. (Not taking these precautions may cause the solder to not harden properly, and cause consequent malfunctions.)

Precautions when using leaded solder

- Remove all lead free solder from soldered joints when replacing components.
- If leaded solder should be added to existing lead free joints, mix in the leaded solder thoroughly after the lead free solder has been completely melted (do not apply the soldering iron without solder).

■ Servicing soldering iron

A soldering iron with a temperature setting capability (temperature control function) is recommended.

The melting point of lead free solder is higher than leaded solder. Use a soldering iron that maintains a high stable temperature (large heat capacity), and that allows temperature adjustment according to the part being serviced, to avoid poor servicing performance.

Recommended soldering iron:

• Soldering iron with temperature control function (temperature range: 320-450°C)

Recommended temperature range per part:

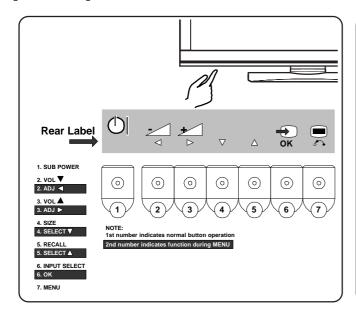
Part	Soldering iron temperature
Mounting (chips) on mounted PCB	320°C±30°C
Mounting (chips) on empty PCB	380°C±30°C
Chassis, metallic shield, etc.	420°C±30°C

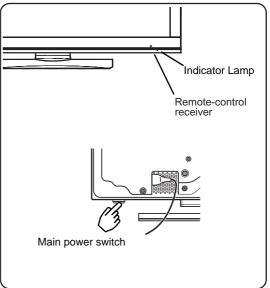
The PWB assembly which has used lead free solder

- ① FILTER PWB, SW PWB, LED/RECEIVER PWB, TACT SW PWB, SP TERMINAL(L/R) PWB
- 2 AUDIO PWB, JOINT PWB, SUB WOOFER PWB
- ③ VIDEO PWB

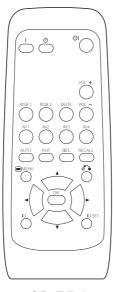
4. Component names

[Main unit]





[Remote control]



CP-RD4 for 55HDM71



CLE-958 for 55PMA550

5. New Technology

[System control micom I001(M3062)]

• Pin function table

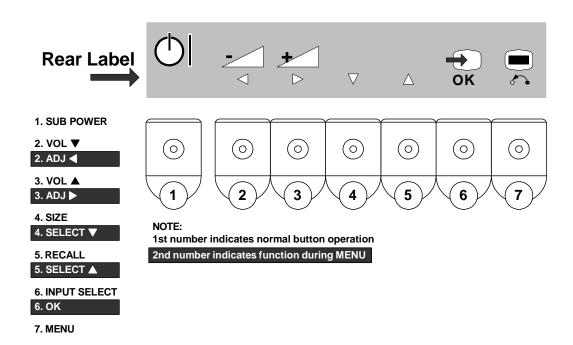
No.	Pin Name	I/O	Function
1	OSD_DATA	0	OSD DATA
2	OSD_CLK	0	OSD CLOCK
3	AC-CLOCK	ı	AC CLOCK
4	FE.AGC_O	0	AGC Voltage (F/E)
5	DATA_OUT(FC)	0	FC DATA
6	DATA_IN(FC)	ı	FC DATA
7	CLK(FC)	0	FC CLOCK
8	BYTE	ı	GND
9	CNVSS	ı	CNVSS(FLASH)
10	DSUB COMP	0	SYNC-SW (AV1-4,D-sub_RGB: L, DVI,D-sub_Component: H)
11	RGBSW	0	SYNC-SW (AV1-4,D-sub_Component: L, DVI,D-sub_RGB: H)
12	RESET	ı	RESET
13	XOUT	0	16MHz OSC.OUT
14	VSS	I	GND
15	XIN	ı	16MHz OSC.IN
16	VCC1	ı	5V
17	NMI	I	5V Pull-up
18	RMCON	ı	IR Signal
19	V.FREQ_2	I	SYNC for V.Frequency Detection (Sub Picture)
20	V.FREQ 1	ı	SYNC for V.Frequency Detection (Main Picture)
21	SCV.SYNC	ı	CVBS for SYNC Detection (Sub Picture)
22	IRQ		PANEL MODULE Condition (L: Normal, H: Error)
23	MCV.SYNC		CVBS for SYNC Detection (Main Picture)
24	LED_GREEN	0	L: LED ON (PowerON/PowerSave), H: LED OFF (Standby)
25	H.FREQ_2	Ť	SYNC for H.Frequency Detection (Sub Picture)
26	RESERVE	† <u>-</u>	NC
27	H.FREQ_1	1 1	SYNC for H.Frequency Detection (Main Picture)
28	PDWN	0	RESERVE (LVDS POWER DOWN MODE (Panel)) : Always High
29	SCL1	0	IIC-BUS CONTROL CLOCK (TUNER PWB)
30	SDA1	I/O	IIC-BUS CONTROL DATA (TUNER PWB)
31	TXD1	0	DATA (RS-232C)
32	RXD1		DATA (RS-232C)
33	SCLK	† †	CLOCK (FLASH MEMORY Writing)
34	BUSY	0	BUSY (FLASH MEMORY Writing)
35	TXD2	0	RESERVE
36	RXD2		RESERVE
37	SDA4	I/O	IIC-BUS CONTROL DATA (PDP PANEL)
38	SCL4	I/O	IIC-BUS CONTROL CLOCK (PDP PANEL)
39	PDPGO	0	PANEL MODULE Start (L: STANDBY, H: ON)
40	CPUGO	0	MPU Recoverly of PANEL MODULE
41	EPM	Ī	EPM (FLASH MEMORY Writing)
42	VIDEO.DET_1	1	Detecting VIDEO PWB (L: 8pin_PWB, H: No PWB/VIDEO PWB)
43	VIDEO.DET_2	l i	Detecting VIDEO PWB (L: 8pin_PWB/VIDEO PWB, H: No PWB)
44	TUNER.DET_1	i	Detecting TUNER PWB (L: ASIA, H: EURO/No PWB)
45	TUNER.DET_2	1	Detecting TUNER PWB (L: ASIA/EURO, H: No PWB)
46	CE	1	CE (FLASH MEMORY Writing)
47	SWIVEL.DET	l i	RESERVE
48	INITIALIZE	i	Initializing EEPROM (L: INIT, H: Normal)
		4	
49	D.RESET	0	RESET (DVI)

No.	Pin Name	I/O	Function
51	SCDT		RESERVE : Always High-Impedance
52	HS-DJTR	0	Jitter Control (DVI) : Always Low
53	AUD RST	0	RESET for LIPSYNC IC
54	AUD DET	I	Detecting Connection of LIPSYNC IC (L: Yes, H: No)
55	SPRLY	0	SPEAKER ON/OFF Relay Control (L: ON(MUTE-OFF), H: OFF(MUTE-ON))
56	MUTE	0	AUDIO MUTE (L: MUTE-OFF, H: MUTE-ON)
57	ASEL1	0	AUDIO Signal SW (D-sub,AVC: L, VIDEO,DVI: H)
58	ASEL2	0	AUDIO Signal SW (VIDEO,AVC: L, DVI,D-sub: H)
59	SDA2	I/O	IIC-BUS CONTROL DATA (Sync-Sep., Audio Processor etc.)
60	SCL2	0	IIC-BUS CONTROL CLOCK (Sync-Sep., Audio Processor etc.)
61	D-SUB COMP_SYNC.SW	0	SYNC-SW (D-sub_Component: H, Others: L)
62	VCC2	I	5V
63	DSUB_DET1	I	RGB1-DET
64	VSS	I	GND
65	TRAP-MAIN	0	L: TRAP OFF (1080i,720p), H: TRAP ON (576i/p,480i/p)
66	DISPEN	0	NC
67	DVI.SW	0	L: Analog, H: Digital (DVI)
68	WSS	I	STATUS(WSS) of SCART INPUT (AV4) (L: No Signal, M: 4:3, H: 16:9)
69	TV-AFC	I	AFC Voltage (F/E)
70	FE.AGC_I	I	AGC Voltage (F/E)
71	RESERVE	-	NC
72	HDMI_DET_IN	0	NC
73	CEC_IN	I	NC
74	INT_HDMI		NC
75	HDMI_VIDEO_SW	I/O	NC
76	CEC_OUT	0	NC
77	RESERVE	ı	NC
78	LCD_CONTROL	0	Low
79	SCL0	0	IIC-BUS CONTROL CLOCK (VIDEO PWB)
80	SDA0	I/O	IIC-BUS CONTROL DATA (VIDEO PWB)
81	SCL3	0	IIC-BUS CONTROL CLOCK (EEPROM)
82	SDA3	I/O	IIC-BUS CONTROL DATA (EEPROM)
83	HDMI_CIR_DET	- 1	NC
84	MSP.RESET	0	RESET (MPX)
85	OSD_CS	0	OSD CHIP SELECT
86	FC_ENABLE	0	FC ENABLE
87	PARITY.SW	0	L: FC4, H: AVC
88	AVC1	ı	Detecting AVC Connection/Power (No Power or Without 24pin Cable : L, Others : H)
89	TEXT-RESET	0	RESET (T/TEXT)
90	AD_KEY3	ı	AD KEY3: POWER
91	AD_KEY2	<u> </u>	AD KEY2: PR UP/DWN, VOL UP/DWN, MENU
92	AD_KEY1	<u> </u>	AD KEY1: INPUT
93	TV_POWER	0	POWER ON/OFF (L: STANDBY, H: ON/PowerSave)
94	DIP.DET	<u> </u>	L: Normal(No DIP), H: Abnormal(Detect DIP)
95	LED_RED	0	L: LED ON (Standby/PowerSave), H: LED OFF (PowerON)
96	AVSS	<u> </u>	GND
97	FAN_ALARM		L: Normal, H: Abnormal
98	VREF		5V
99	AVCC		5V
100	AVC2		Detecting AVC Connection/Power (No Power or Without 8pin Cable : L, Others : H)

SERVICE MODE ACCESS BURN-IN MODE

BURN-IN MODE

When the Burn-in feature is turned ON, the plasma panel operates normally on all inputs that have a signal. On inputs that do not have a signal, the plasma panel displays a cycling single color test pattern (see below) which is generated internally. This can be helpful to determine if the panel is capable of displaying anything.





With unit in standby mode (turned off), press and hold: >





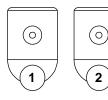


After the unit comes on, continue to hold the buttons down until the initial OSD goes away. OSD will then appear indicating that BURN-IN MODE is engaged.

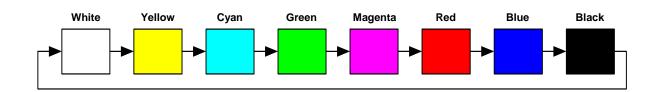
(OSD > Burn In On)

BURN-IN MODE (OFF)

With unit in standby mode (turned off), press and hold: >



After the unit comes on, continue to hold the buttons down until the initial OSD goes away. OSD will then appear indicating that BURN-IN MODE is disengaged. (OSD > **Burn In Off**)

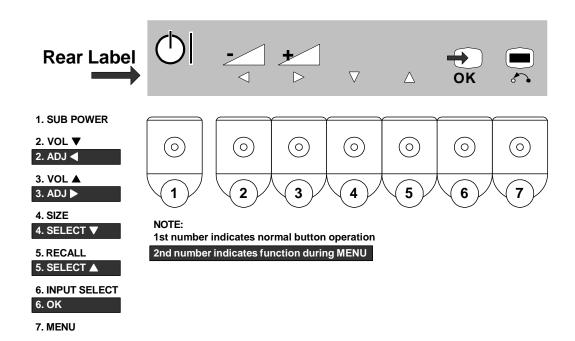


SERVICE MODE ACCESS DEMO MODE

DEMO MODE

When the DEMO feature is turned ON, both the remote and the plasma panel front panel buttons (with the exception of the SUB POWER button) are non-operational. This can be useful for the Sales / Dealers to prevent anyone from playing with any of the settings.

NOTE: This is the front panel shortcut to parameter #175 in the I2C ADJUSTMENT MODE.



DEMO MODE (ON)

With unit in standby mode (turned off), press and hold: >







After the unit comes on, continue to hold the buttons down until the initial OSD goes away. **DEMO MODE** is now engaged, although you will not see any OSD confirmation.

DEMO MODE (OFF)

With unit in standby mode (turned off), press and hold: >



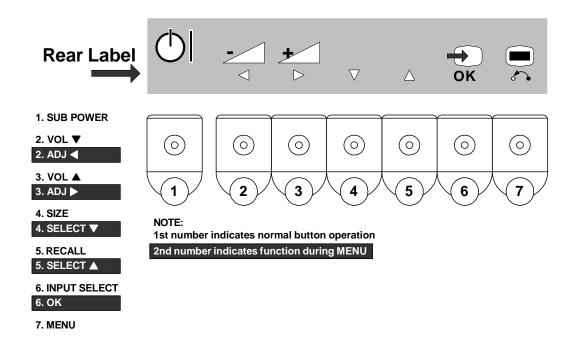


After the unit comes on, continue to hold the buttons down until the initial OSD goes away. **DEMO MODE** is now disengaged, although you will not see any OSD confirmation.

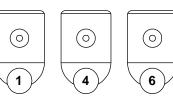
SERVICE MODE ACCESS 12C ADJUSTMENT MODE

I²C ADJUSTMENT MODE

When the set is in the I2C Adjustment mode, use the cursor buttons ∇ \triangle for selecting the adjustment parameter, and \triangleleft \triangleright for changing the parameter's value. Use the **OK** button to confirm. After adjustments are complete, press the **MENU** button to return the set to normal operating condition.



I2C Adjustment ModeWith unit in standby mode (turned off), press and hold: >



After the unit comes on, continue to hold the buttons down until the initial OSD goes away. OSD will then appear indicating that **I2C ADJUSTMENT MODE** is engaged.

MEMORY INITIALIZATION

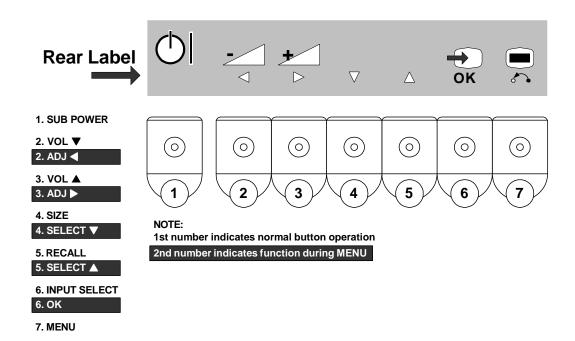
Don't indiscriminately perform this procedure as it can result in a loss of data if the old values were not recorded.

- 1. Engage I2C Adjustment mode.
- 2. Select parameter #744. Change the data value from "0" to "1".
- 3. Activate MEMORY INITIALIZATION by holding down the **OK** button for at least three seconds.
- 4. Select parameter #374. Change the data value from "1" to "0".
- 5. Check that the set changes input to AV1, indicating that the preset values have been loaded.

SERVICE MODE ACCESS FACTORY RESET

FACTORY RESET

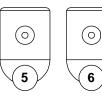
Occasionally, it becomes necessary to perform a factory reset. This is different than the Memory Initialization, only customer settings are affected by Factory Reset.



Factory Reset

With unit in standby mode (turned off), press and hold: >





6

After the unit comes on, continue to hold the buttons down until the initial OSD goes away. Factory Reset has now engaged, although you will not see any OSD confirmation.

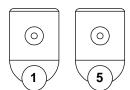
SERVICE MODE ACCESS DIAGNOSIS MODE

DIAGNOSIS MODE

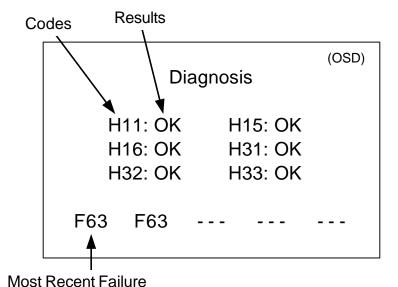
This chassis has a limited self-diagnosis mode. When activated, the microprocessor generates a series of internal communication checks and outputs the results via OSD, as seen on the table below. Since it uses the OSD to display the results, any circuit failures which result in a "no display" or "no picture" condition will not be able to be seen, obviously. ANY operation (volume, channel, menu, input, etc.) will cause the unit to exit from the Diagnosis mode.

Diagnosis Mode

With unit in standby mode (turned off), press and hold: >



After the unit comes on, continue to hold the buttons down until the initial OSD goes away. OSD will then appear indicating that the **DIAGNOSIS MODE** is engaged.



Code **Problem** Cause Phenomenon U101 error H11* Tuner problem Can not receive the main signal from antenna H15 Composite video SW IC problem Can not receive picture and audio - can not change input mode I201 error H16 Component video SW IC problem I202 error No component picture - can not change input mode H31 Color Demodulator IC problem Abnormal color - dark picture I501 error H32 Sync separator IC problem Unsynchronized picture 1601 error H33 3D Y/C separator problem Abnormal color - dark picture/no picture 1302 error SDA3/SCL3 F63 I2C Bus latch problem Can't store data settings latched up * Only with units having a tuner circuit

● Service adjustment items by I²C-bus control

O: should be adjusted

should be followed previous data

						▲: should b	e followe	d previou	
ADJ. No.	Function	Mode	Maximum Value	De: 55PMA550	fault 55HDM71	FORMATTER	VIDEO		PD
	Adjustment Items	Mode	055			PWB	PWB	PWB	Pan
	R DRIVE1 [TV/VIDEO/DSUB-COMP] G DRIVE1 [TV/VIDEO/DSUB-COMP]	COOL	255	255 255	255	A			0
	B DRIVE1 [TV/VIDEO/DSUB-COMP]	COOL	255 255	255	255 255	A			ŏ
	R DRIVE2 [TV/VIDEO/DSUB-COMP]	NORMAL	255	255	255				ŏ
	G DRIVE2 [TV/VIDEO/DSUB-COMP]	NORMAL	255	255	255	<u> </u>			ŏ
	B DRIVE2 [TV/VIDEO/DSUB-COMP]	NORMAL	255	255	255	A			Ŏ
6	R DRIVE3 [TV/VIDEO/DSUB-COMP]	WARM	255	255	255	A			0
	G DRIVE3 [TV/VIDEO/DSUB-COMP]	WARM	255	255	255	A			0
	B DRIVE3 [TV/VIDEO/DSUB-COMP]	WARM	255	255	255	A			0
	R DRIVE4 [TV/VIDEO/DSUB-COMP]	BLACK & WHITE	255	255	255	A			0
	G DRIVE4 [TV/VIDEO/DSUB-COMP]	BLACK & WHITE	255	255	255	<u> </u>			0
	B DRIVE4 [TV/VIDEO/DSUB-COMP]	BLACK & WHITE	255	255	255				0
	R DRIVE1 [DVI-PC/DVI-STB/DSUB-RGB] G DRIVE1 [DVI-PC/DVI-STB/DSUB-RGB]	COOL	255 255	255 255	255 255	A			0
	B DRIVE1 [DVI-PC/DVI-STB/DSUB-RGB]	COOL	255	255	255	1			ŏ
	R DRIVE2 [DVI-PC/DVI-STB/DSUB-RGB]	NORMAL	255	255	255	<u> </u>			ŏ
	G DRIVE2 [DVI-PC/DVI-STB/DSUB-RGB]	NORMAL	255	255	255	A			Ŏ
	B DRIVE2 [DVI-PC/DVI-STB/DSUB-RGB]	NORMAL	255	255	255	A			Ō
18	R DRIVE3 [DVI-PC/DVI-STB/DSUB-RGB]	WARM	255	255	255	A			0
19	G DRIVE3 [DVI-PC/DVI-STB/DSUB-RGB]	WARM	255	255	255	A			0
	B DRIVE3 [DVI-PC/DVI-STB/DSUB-RGB]	WARM	255	255	255	A			0
	R DRIVE4 [DVI-PC/DVI-STB/DSUB-RGB]	BLACK & WHITE	255	255	255	A			0
	G DRIVE4 [DVI-PC/DVI-STB/DSUB-RGB]	BLACK & WHITE	255	255	255	A			0
	B DRIVE4 [DVI-PC/DVI-STB/DSUB-RGB]	BLACK & WHITE	255	255	255		 		0
	Black Level(RGB_AMP)	TV/VIDEO	254	127	127	 	1	-	₩
	Black Level(RGB_AMP) Reference Amplitude(RGB_AMP)	PC TV/VIDEO	254	127 127	127	-	 	-	1
	Reference Amplitude(RGB_AMP) Reference Amplitude(RGB_AMP)	PC PC	254 254	127	127 127	 	<u> </u>	1	1
	Display for Max. Amplitude Level	Main	- 234	- 12/	121	-	 		1
	Display for Max. Amplitude Level	SUB	 	-	-			l	t
	SUB_CONTRAST(RF)	MAIN	15	7	7				
31	SUB_CONTRAST (AV1)	MAIN/SUB COMPOSITE mode	15	7	7				L
32	SUB_CONTRAST (RF)	SUB	15	7	7				
33	SUB_CONTRAST (AV4)	MAIN/SUB COMPOSITE mode	15	7	7				
	SUB_COLOR (VIDEO-PAL/SECAM)	MAIN	15	6	6				
	SUB_COLOR (RF-PAL/SECAM)	MAIN	15	3	8				ļ
	SUB_COLOR (VIDEO-NTSC)	MAIN	15	8	15				
	SUB_COLOR (RF-NTSC)	MAIN	15	6	6				-
	SUB_COLOR (VIDEO-PAL/SECAM)	SUB	15	8	8	-			-
	SUB_COLOR (RF-PAL/SECAM) SUB_COLOR (VIDEO-NTSC)	SUB SUB	15 15	3 8	8 15				<u> </u>
	SUB_COLOR (RF-NTSC)	SUB	15	8	8				
	TINT (VIDEO)	MAIN	63	33	32	A	0		1
43		MAIN	63	33	33	<u> </u>	ŏ		
	TINT (VIDEO)	SUB	63	33	32	A	Ŏ		
45	TINT (RF)	SUB	63	33	33	A	0		
46	S_B-Y_ADJ	MAIN	15	8	8				
47		MAIN	15	8	8				
	S_B-Y_ADJ	SUB	15	8	8				
	S_R-Y_ADJ	SUB	15	8	8				
	BPF_Q (4.43MHz)	MAIN MAIN	3	3 1	3 1	-			-
	BPF_f0 (4.43MHz) Y_DL (4.5MHz) For Asia	MAIN	10	5	5				-
	Y_DL (5.5MHz PAL/NTSC4.43) For Asia	MAIN	10	3	3				
	Y_DL (5.5MHz SECAM) For Asia	MAIN	10	0	0				
	Y_DL (6.0PAL/NTSC4.43) For Asia	MAIN	10	9	9				
	Y_DL (6.0SECAM) For Asia	MAIN	10	9	9				
57	Y_DL (VIDEO PAL/NTSC4.43)	MAIN	10	6	6				Г
	Y_DL (VIDEO SECAM)	MAIN	10	8	8				L
	Y_DL (VIDEO NTSC)	MAIN	10	6	6		ļ		<u> </u>
	BELL_f0	MAIN	1 00	0	0		 		₽-
	Y_OUT_LEVEL (VIDEO) Check Condition EEPROM of Video PWB	MAIN	63	13	13		-		\vdash
	Y_OUT_LEVEL (TEXT)	MAIN	63	0	0		 		1
	C_OUT_LEVEL (VIDEO)	MAIN	63	7	7		1		t
	Initialize Function for EEPROM of Video PWB	0:Normal,1:Fail or No Ass'y	1	-	-			1	t
	C_OUT_LEVEL (TEXT)	MAIN	63	0	0				T
66		SUB	63	12	12		L		L
	Y_OUT_LEVEL (TEXT)				13				
67 68	Y_OUT_LEVEL (VIDEO)	SUB	63	13		1	1		1
67 68 69	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times	For Dynamic(Day) mode	1	0	0				-
67 68 69 70	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (TEXT)	For Dynamic(Day) mode SUB	1 63	0 7	0 7				
67 68 69 70 71	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (TEXT) 0: 2 times, 1: 4 times	For Dynamic(Day) mode SUB SUB	1 63 63	0 7 7	7 7				
67 68 69 70 71 72	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times	For Dynamic(Day) mode SUB SUB For Natural(Night) mode	1 63 63 1	0 7 7 1	0 7 7 1				
67 68 69 70 71 72 73	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (TEXT) C_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) 0: 2 times, 1: 4 times	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB	1 63 63 1 3	0 7 7 1 3	0 7 7 1 3				
67 68 69 70 71 72 73	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (FEXT) 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times BPF_Q (4.43MHz) BPF_G (4.43MHz)	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB SUB	1 63 63 1 3 3	0 7 7 1 3	0 7 7 1 3				
67 68 69 70 71 72 73 74 75	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) BPF_G (4.43MHz) FPF_D (4.5MHz) For Asia	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB SUB SUB	1 63 63 1 3 3	0 7 7 1 3 1 5	0 7 7 1 3 1 5				
67 68 69 70 71 72 73 74 75 76	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) 0: 2 times, 1: 4 times BPF_10 (4.43MHz) For Asia Y_DL (4.5MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB SUB	1 63 63 1 3 3	0 7 7 1 3	0 7 7 1 3				
67 68 69 70 71 72 73 74 75 76	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) 9 BPF_D (4.43MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (5.5MHz SECAM) For Asia	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB SUB SUB SUB SUB	1 63 63 1 3 3 10	0 7 7 1 3 1 5	0 7 7 1 3 1 5				
67 68 69 70 71 72 73 74 75 76 77	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) 9 BPF_D (4.43MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (5.5MHz SECAM) For Asia	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB SUB SUB SUB SUB SUB SUB	1 63 63 1 3 3 10 10	0 7 7 1 3 1 5 2	0 7 7 1 3 1 5 2				
67 68 69 70 71 72 73 74 75 76 77 78 79	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) For Asia Y_DL (4.5MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (0.0PAL/NTSC4.43) For Asia Y_DL (VIDEO PAL/NTSC4.43) For Asia	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB	1 63 63 63 1 3 3 10 10 10 10 10 10 10 10	0 7 7 1 3 1 5 2 0 7	0 7 7 1 3 1 5 2 0 7				
67 68 69 70 71 72 73 74 75 76 77 78 80 81	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) For Asia PF_D (4.43MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (5.5MHz SECAM) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (6.0SECAM) For Asia Y_DL (VIDEO PAL/NTSC4.43) For Asia Y_DL (VIDEO PAL/NTSC4.43) Y_DL (VIDEO SECAM)	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB	1 63 63 1 3 3 3 10 10 10 10 10 10	0 7 7 1 3 1 5 2 0 7 10 8	0 7 7 1 3 1 5 2 0 7 10 8				
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82	Y_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) For Asia Y_DL (4.5MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (5.5MHz SECAM) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (0.0PAL/NTSC4.43) For Asia Y_DL (VIDEO PAL/NTSC4.43) For Asia Y_DL (VIDEO PAL/NTSC4.43) Y_DL (VIDEO SECAM) Y_DL (VIDEO NTSC) Y_DL (VIDEO NTSC)	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB	1 63 63 1 1 3 3 10 10 10 10 10 10 10	0 7 7 1 3 1 5 2 0 7 10 8 6	0 7 7 1 3 1 5 2 0 7 10 8 6				
67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current 0: 2 times, 1: 4 times C_OUT_LEVEL (VIDEO) 0: 2 times, 1: 4 times Dispersion Time of Sustain current 0: 2 times, 1: 4 times BPF_Q (4.43MHz) For Asia Y_DL (4.5MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (6.0MTZ SECAM) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (VIDEO PAL/NTSC4.43) For Asia Y_DL (VIDEO PAL/NTSC4.43) Y_DL (VIDEO PAL/NTSC4.43) Y_DL (VIDEO SECAM) Y_DL (VIDEO NTSC) BELL_10 BELL_10	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB	1 63 63 1 1 3 3 10 10 10 10 10 10 10 10	0 7 7 1 3 1 5 2 0 7 10 8 6	0 7 7 1 3 1 5 2 0 7 10 8 6				
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current C_OUT_LEVEL (FEXT) C_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current Dispersion Time of Sustain current DFF_Q (4.43MHz) BPF_Q (4.43MHz) BPF_IO (4.43MHz) For Asia Y_DL (4.5MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (5.5MHz SECAM) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (6.0SECAM) For Asia Y_DL (VIDEO PAL/NTSC4.43) Y_DL (VIDEO NTSC) BELL_IO C_TRAP_SW (COMB=OFF-PAL/NTSC4.43/NTSC3.58)	For Dynamic(Day) mode SUB SUB SUB For Natural(Night) mode SUB	1 63 63 1 1 3 3 3 10 10 10 10 10 10 10 10 10 11 1 1 1	0 7 7 1 3 1 5 2 0 7 10 8 6 5 0	0 7 7 1 3 1 5 2 0 7 10 8 6 5				
67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current C_OUT_LEVEL (FUNC) C_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current Dispersion Time of Sustai	For Dynamic(Day) mode SUB SUB For Natural(Night) mode SUB	1 63 63 1 1 3 3 10 10 10 10 10 10 10 11 1 1 1	0 7 7 1 3 1 5 2 0 7 10 8 6 5 0	0 7 7 1 3 1 5 2 0 7 10 8 6 5 0				
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86	Y_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current C_OUT_LEVEL (FEXT) C_OUT_LEVEL (VIDEO) Dispersion Time of Sustain current Dispersion Time of Sustain current DFF_Q (4.43MHz) BPF_Q (4.43MHz) BPF_IO (4.43MHz) For Asia Y_DL (4.5MHz) For Asia Y_DL (5.5MHz PAL/NTSC4.43) For Asia Y_DL (5.5MHz SECAM) For Asia Y_DL (6.0PAL/NTSC4.43) For Asia Y_DL (6.0SECAM) For Asia Y_DL (VIDEO PAL/NTSC4.43) Y_DL (VIDEO NTSC) BELL_IO C_TRAP_SW (COMB=OFF-PAL/NTSC4.43/NTSC3.58)	For Dynamic(Day) mode SUB SUB SUB For Natural(Night) mode SUB	1 63 63 1 1 3 3 3 10 10 10 10 10 10 10 10 10 11 1 1 1	0 7 7 1 3 1 5 2 0 7 10 8 6 5 0	0 7 7 1 3 1 5 2 0 7 10 8 6 5				

۱DJ.	Function		IV	1aximum	Dei	ault			mponer	
No.	Adjustment Items	Mode	1	Value	55PMA550		FORMATTER	VIDEO	TUNER	PDP
	AFC_GAIN (AV2)	-	+	3	0	0	PWB	PWB	PWB	Pane
	AFC_GAIN (AV3)	-	t	3	0	0				
	AFC_GAIN (AV4)	-	T	3	0	0				
92	S_INHBT	-		1	0	0				
	S_ID	-		1	0	0				
	S_GP_	-	1	3	0	0				
	S_V_ID	-	+	1	0	0				
	BELL/HPF Cb offset1	- MAIN	╁	3 15	3 8	3 8				
		MAIN	t	15	8	8				
		SUB	t	15	8	8				
		SUB	t	15	8	8				
		MAIN		15	7	7				
		MAIN		15	5	8				
		MAIN	\downarrow	3	1	1				
		MAIN	4	3	1	1				<u> </u>
		MAIN MAIN	+	3	1	1				-
		MAIN	+	3	2	2				<u> </u>
		MAIN	$^{+}$	3	2	2				<u> </u>
		SUB	t	15	9	9				
		SUB	t	15	5	10				\vdash
		SUB		3	1	1				
		SUB	Ţ	3	1	1				
		SUB	Ļ	3	1	1				<u> </u>
		SUB	4	3	1	1				<u> </u>
		SUB SUB	+	3	2	2	-	1		₩
			╁			0				-
		MAIN SUB	+	11	0	0	 			\vdash
		MAIN/SUB	t	1	1	1				\vdash
		MAIN	T	1	0	0				
		SUB		1	0	0				
122	NTSC Comb(Comb off)	SUB		1	1	1				
		MAIN		1	0	0				
		SUB	4	_1	0	0				<u> </u>
		MAIN	+		0	0				<u> </u>
	P/N ID Y/C_SEP_MODE (COMB=OFF-PAL)	SUB	+	3	0	0				
	Y/C_SEP_MODE (COMB=OFF-PAL) Y-Pf0	-	╁	<u>3</u> 1	0	0				-
	Y-EQ_GAIN	-	$^{+}$	3	2	2				<u> </u>
	Y-EQ/N.C_LIM	-	t	3	0	0				
	Y-LPF	-	T	1	0	0				
132	V-EMPH_GAIN	-		7	1	7				
	V-EMPH_N.L	-		7	3	3				
	V-EMPH_CORE	-		3	1	1				
	D RANGE	-	4	1	0	0				<u> </u>
		MAIN NTSC mode	+	15	9	9				₩
		MAIN NTSC mode MAIN NTSC mode	╁	15 7	6	6 5				-
		MAIN NTSC mode	╁	31	10	31				—
		MAIN NTSC mode	t	3	0	0				
		MAIN NTSC mode	Ť	1	1	1				
142		MAIN NTSC mode		7	3	3				
		MAIN NTSC mode		1	1	1				
		MAIN NTSC mode	Ļ	_1	0	0				
		MAIN NTSC mode	4	3	1	1				<u> </u>
_	CNRK		+	1	1	1				<u> </u>
	CNRINV CNRLIM		╁	3	1	1				-
	YPFG		+	15	8	5				\vdash
		480i/576i	t	3	2	2				
51	SEPA_LEVEL	480p/576p	Ī	3	2	2				
52	SEPA_LEVEL	1080i_50	Ι	3	2	2				
		1080i_60/720p	Ţ	3	2	2				lacksquare
	AUTO_FM/AM(D11-D8)	-	Ļ	15	2	2				<u> </u>
	AUTO_FM/AM(D7-D0)	-	+	254	189	189				—
	A2_THRESHOLD(D11-D8)	-	+	15	112	112	 	-		₩
ن 5۵	A2_THRESHOLD(D7-D0) PRE_AM	except 4.5MHz(except BIL/STE)	+	254 254	112 17	112 17	 			
	VOL_SCART1 (D15-D8)	-	+	254	115	115	 			\vdash
60	VOL_SCART1 (D7-D5)	_	†	7	0	0				\vdash
61	PRE_SCART	-	Ť	254	31	31				Г
62	PRE_FM	4.5MHz(JAPAN)	Ī	254	34	34				
		4.5MHz(except BTSC-SAP)	Ι	254	32	32				
		4.5MHz(BTSC-SAP)	Ļ	254	60	60				Щ.
		4.5MHz(KOREA-except BIL/STE)	╀	254	19	19				<u> </u>
		4.5MHz(KOREA-BIL/STE)	+	254	34	34				₩
		except 4.5MHz(except BIL/STE)	+	254	17	17	 	-		
	PRE_FM PRE_NICAM	except 4.5MHz(BIL/STE)	+	254 254	27 57	27 57	 			\vdash
	Screen Saver -Picture shift amount 0:1pixel 1:2pixels 2:3pixels	-	+	254	0	0	 			\vdash
	Thermal Sensor available 0:NO 1:YES		$^{+}$	1	0	0	†			\vdash
	Video Input Function available 0:NO 1:YES		Ť	1	1	1				Г
	Screen Saver -Picture Shift direction 0:dia 1:cross 2:up/down 3:left/right		Ī	3	0	0				
74	AUDIO Function available 0:NO, 1:YES		Ţ	1	1	1				匚
	Remote Function available 0:NO, 1:YES		Ţ	1	1	1				
76		0:Change 1: Don't Change	Ţ		0	0				
	DVI-STB/RGB-COMPONENT Function available 0:NO, 1:YES			1	0	0	1			

0	onoun	u D	o aajao	icu	
A	should	he	followed	previous	data

	For all or		Marrian		Iš	▲: should b		d previou mponer	
ADJ.	Function		Maximum Value		fault	FORMATTER			
No.	Adjustment Items	Mode	raido	55PMA550	55HDM71	PWB	PWB		
	Free								
	Free Terminal Mode Function available 0:Not Available, 1:Available	DS332C	1	0	0				
	Free	132320		0	-				
	AGC_LEVEL AGCL	ALL Mode	3	0	0				
	TEXT H sync delay	-	127	0	0				
	TEXT V sync delay	-	127	50	50				
	TEXT_H_POSITION TEXT_V_POSITION	-	254 254	42 38	42 38				
	Lower Limits value for Sync Detect of 2ms interval	For AFC at TV mode	254	25	25				
	Upper Limits Value for Sync Detect of 2ms interval	For AFC at TV mode	254	40	40				
189	Lower Limits value for Sync Detect of 2ms interval	For Free Running at TV mode	254	30	30				
	Upper Limits Value for Sync Detect of 2ms interval	For Free Running at TV mode	254	45	45				
	Lower Limits value for Sync Detect of 2ms interval	For AUTO OFF at TV mode	254	25	25				
	Upper Limits Value for Sync Detect of 2ms interval	For AUTO OFF at TV mode	254 254	35 30	35 30				
	Lower Limits value for Sync Detect of 2ms interval Upper Limits Value for Sync Detect of 2ms interval	For Free Running at AV mode For Free Running at AV mode	254	45	45				
	Counting time for discrimination of fV (TB1274)	-	31	2	2				
	Dispersion Time of Sustain current 0: 2 times, 1: 4 times	For PC mode	1	1	1				
	Counting time for discrimination of Sync. (M30625/TA1370)	-	31	2	2				
	Input Source of fV/fH judgment (0:M30625,1:TA1370)	Component Mode	1	0	0				
	Counting time for discrimination of fV (M30625/TA1370)	- Main	31	2	2				
	Y_DL (6.5MHz PAL/NTSC4.43) For Asia	Main	10	7	7				
	Y_DL (6.5MHz SECAM) For Asia Y_DL (6.5MHz PAL/NTSC4.43) For Asia	Main Sub	10 10	10 4	10 4				
	Y_DL (6.5MHz SECAM) For Asia	Sub	10	10	10	1			
	PDP-BLK ON/OFF	1:ON, 0:OFF	1	0	0				
	Counting time for discrimination of fH (M30625/TA1370)		31	2	2				
	Sharpness f0(L)	Sub	3	2	2				
	NJW1320_OUT1_GAIN	VIDEO PWB	1	0	0				
	NJW1320_OUT2_GAIN	VIDEO PWB	1	0	0				
	Sharpness f0(L')	Sub Except AV/00 mode	3	2	2				
	AFC_GAIN (Except AV00 mode) Timer Correction (for error of ceramic-filter osc.freq.)	Except AV00 mode	3 62	0 34	34		 		-
		NT2/NT3/HD2/HD3/PAL2/PAL3/HD9/HD10/NT4/PAL4	254	130	108				
	Brightness Center (CM)	HD1/HD4/HD5/HD6/HD7/HD8	254	130	116				
214	Brightness Center (CM)	MULTI PICTURE/NT1/PAL1	254	128	113				
	Free								
	Contrast Center (CM)	TV/VIDEO(AV3/AV4 mode)	254	137	137				
	Free	NITA/NITO/NITA// IDO// IDA// IDO//DALA	407	0.5					
		NT1/NT2/NT4/HD3/HD4/HD6/PAL4 PAL1/PAL2/HD8/HD9	127 127	85 85	57 73				
		NT3/HD1/HD2/HD5/PAL3/HD7/HD10	127	85	75				
	Tint Center (CM)	PAL1	254	133	133				
222	Tint Center (CM)	NT1/NT2/NT4/HD3/HD4/HD6	254	135	146				
	Tint Center (CM)	PAL2/HD8/HD10/PAL4	254	128	128				
		NT3/HD1/HD2/HD5/PAL3/HD7/HD9	254	147	151				
	Center of Sharpness (HV Enhancer Gain for Y) For Europe Center of Sharpness (HV Enhancer Gain for Y) For Europe	TV VIDEO	31	18 18	18 18				
	Center of Sharpness (HV Enhancer Gain for Y) For Europe Center of Sharpness (HV Enhancer Gain for Y) For Europe	HD5/HD6	31 31	11	11				
	Center of Sharpness (HV Enhancer Gain for Y) For Europe	HD1/HD4/HD7/HD8	31	14	14				
		HD2/HD3/HD9/HD10	31	15	15				
		NT2/NT3/PAL2/PAL3/NT4/PAL4	31	9	9				
	Center of Sharpness (HV Enhancer Gain for Y) For Europe	TEXT(2 picture)	31	7	7				
	Maximum Value of Contrast at REAL/NORMAL mode		254	188	188				
	Offset Value of Contrast data at SPLIT mode Offset value of gain for Black Stretch function	except OFF/LOW/HIGH	120 63	90 33	90		 		
		Mode(common)	7	- 5 - 5	5				
		Mode	1	1	1				
237	Demonstration [Middle] 0:+0W 1:+10W 2:+20W 3:+30W	Mode(common)	3	3	3				
238	Demonstration 0:Normal 1:Peak	Mode	1	0	0				
	Horizontal Enhance	TEXT	3	3	3				
	YNR Input Level at Low level for DVI-STV Mode	1080i-60/1080i-50/720p-60	7	2	2	1	1		
	YNR Input Level at Low level for DVI-STV Mode CNR Input Level at Low level for DVI-STV Mode	480i/480p/576i/576p/VGA 1080i-60/1080i-50/720p-60	7	2	2	-	 		
		480i/480p/576i/576p/VGA	7	2	2				
	Vertical Enhance	TEXT	3	3	3				
245	Demonstration Mode 0:off 1:on		1	0	0				
246	Free								
	Free								
	HV Enhancer Gain for C	TEXT	31	0	0		1		
		RF Mode VIDEO	7	3	3				
		NT2/NT3/PAL2/PAL3/NT4/PAL4	7	3	3	1	1		
	YNR Input Level at Low level for AV1-4 Mode	HD1/HD4/HD5/HD6/HD7/HD8	7	3	3	1	 		
	YNR Input Level at Low level for AV1-4 Mode	HD2/HD3/HD9/HD10	7	3	3				
254	CNR Input Level at Low level for AV1-4 Mode	VIDEO	7	3	3				
		NT2/NT3/PAL2/PAL3/NT4/PAL4	7	3	3				
		HD1/HD4/HD5/HD6/HD7/HD8	7	3	3		ļ		
	CNR Input Level at Low level for AV1-4 Mode	HD2/HD3/HD9/HD10	7	3	3				
	Heat APC function available 0:NO, 1: YES Gamma SW (0:1.0 1:2.2 2:2.8)	TV/VIDEO	2	1	1	-	 		
		DVI-PC/DVI-STB/DSUB-RGB	2	1	1				
	Select for APC function	2 1 5/5 VI 5 I D/D 5 5 D-1 (5 D	1	0	0				
	"CCFMD" function	TV/VIDEO	1	0	0				
263	"CCFMD" function	DVI-PC/DVI-STB/DSUB-RGB	1	0	0				
		NT1/NT2/HD3/HD4/HD6/HD8/HD10/PAL1/PAL2	1	0	0				
	NTSC/EBU(CCFORM)	TV/VIDEO/NT3/PAL3/HD1/HD2/HD5/HD7/HD9/NT4/PAL4	1	0	0				
266	NTSC/EBU(CCFORM)	DVI-PC/DVI-STB/DSUB-RGB	1	0	0		1		

O: should be adjusted

A: should be followed previous data

						▲: should be			
ADJ.	Function		Maximum Value	Defa		Chan FORMATTER		mponen	
No.	Adjustment Items	Mode	value	55PMA550	55HDM71	PWB	PWB	PWB	Pane
267	Correction for Tracking (DCBON)	TV/VIDEO-Color Temp. : COOL	1	0	0				
268	Correction for Tracking (DCBON)	TV/AV-Col. Temp. : Nor/War	1	1	1				
269	Correction for Tracking (DCBON)	DVI-PC/DVI-STB/DSUB-RGB	1	1	1				
270	Color Temp. Correction		3	2	2				
	Typical Value of Contrast OSD	DYNAMIC	31	31	31				
272	PC Power Save function (0:Impossible 1:Possible)		1	1	1				
273	Waite Time for POWER SAVE function (s)	VIDEO/PC	254	15	15				
	Lower Limits value for Sync Detect of 2ms interval	For Power Save at AV mode	254	5	5				
275	Upper Limits Value for Sync Detect of 2ms interval	For Power Save at AV mode	254	200	200				
276	Horizontal Position of OSD	60Hz	15	7	7				
277	Vertical Position of OSD	60Hz	15	7	7				
278	PinP Function 0:PinP, 1:Infomation1, 2:Infomaiton Split		2	0	0				
279	Select for WIDE Mode		1	1	1				
280	Temperature for FAN Restart (Temp_High)		254	58	58				
281	Temperature for FAN Stop (Temp_Low)		254	55	55				
282	Internal Temperature Display °C		125	-	-				
283	PDP micom Version Display		255	-	-				
284	Total Operating Hours of PDP panel		65535	-	-				
285	Initialize function 0:Keep data, 1:Initialize	No.0-No.23,30-33,42-45,289,293,294Adj No.701-703	1	-	-				
286	L standard PLL gating HIGH [Europe model]		1	0	0				
	Select for APC output [Except Europe model]	Main FE	2	1	1				
	Q mode 0:Freeze, 1:Move 1, 2:Move 2	50Hz([Dynamic/Day] mode)	2	1	1				
	AGC adjustment (MFE) [Except Europe model]	MAIN	63	50	50	A		0	
	AGC adjustment (MFE) [Europe model]	MAIN	63	20					
	AGC INPUT(MFE)	MAIN	-	-	-				
	Q mode 0:Freeze, 1:Move 1, 2:Move 2	70Hz(PC)	2	0	0				
	SUB CONTRAST AV2	MAIN/SUB COMPOSITE mode	15	8	8				
	SUB CONTRAST AV3	MAIN/SUB COMPOSITE mode	15	8	8				
	Contrast Center (CM)	AV2	254	137	137				
	Contrast Center (CM)	AV1	254	137	137				
	Brightness center (CM) offset	AV2	254	127	127				
	Brightness center (CM) offset	AV1	254	127	127				†
	Q mode 0:Freeze, 1:Move 1, 2:Move 2	60Hz([Dynamic/Day] mode)	2	1	1				†
	3D ON/OFF 0:ON,1:OFF(Through)	,,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	0	0				†
	Input Select of TA1370 0:HD1/VD1,1:HD3/VD3	Main/Sub	1	0	0				†
	Sharpness Gain(RF/NR)	Main/Sub	15	3	3				†
	3Line Y/C Main- Sub SW	0:Main. 1: Sub	1	0	0				†
	Offset Value(+/-) of Upper Limit (for TB1274:SUB-CONT)	Single Picture mode	18	2	2				†
	Offset Value(+/-) of Upper Limit (for FC :RGB-AMP)	Multi Picture mode	18	2	2				_
	Reference Amplitude(RGB AMP)	Multi Picture mode	254	90	90				†
	Component Frg.(fH) Setup (0:28/31/33/45KHz,1:28/31/45KHz)	Walti i ictare mode	1	0	0				_
	Terget value of White peak Adj.	Single Picture mode	237	235	235				-
	Sharpness Gain(S VIDEO)	Main	15	7	7				_
	Sharpness Gain(S VIDEO)	Sub	15	7	7				†
	Select color control (0: Asia, 1: South America)	Main/Sub	1	0	0				†
	Sharpness Gain Main(N-PAL)	Wall # Gab	15	8	8				†
	Sharpness f0 Main(N-PAL)		3	2	2				†
	Sharpness Gain Sub (N-PAL)		15	9	9				_
	Sharpness f0 Sub (N-PAL)		3	2	2				_
	Delay Time ON/OFF for Lipsync circuit 0:Off, 1:On		1	1	1				_
	Sync Mode SW		7	0	0				_
	Set Sound System at Auto mode of Sound Sys. (0:auto,1:4.5MHz)	Main	1	0	0				_
	Power Restart by cancelling reset from Power Save Mode in PC input	0:keep last condition 1:restart	1	0	0				_
	Change Europe Model for Destination of North America (OSD, Wide Mode etc.) available		1	0	1				-
	Count Souce for ON/OFF Timer	0:MCU-250ms, 1:AC-50/60Hz	1	0	0				
	Wide Mode Selection for Europe (Normal: 5 modes, For Service: 10 modes)	0:Normal 1:For Service	1	0	0				
	Forced AVC type available	0:Normal type , 1: Forced AVC type	1	0	0				\vdash
	Sharpness Gain Main(M-PAL)		15	8	8				\vdash
	Sharpness f0 Main(M-PAL)	+	3	2	2				\vdash
	Sharpness Gain Sub (M-PAL)	+	15	9	9				\vdash
	Sharpness f0 Sub (M-PAL)		3	2	2				†
	CNR Input Level at Low level for Dsub Comp. Mode	NT2/NT3/PAL2/PAL3/NT4/PAL4	7	2	2				1
	CNR Input Level at Low level for Dsub Comp. Mode	HD1/HD4/HD5/HD6/HD7/HD8	7	2	2				1
	CNR Input Level at Low level for Dsub Comp. Mode	HD2/HD3/HD9/HD10	7	2	2				$\overline{}$
	Sharpness Gain(VIDEO) NTSC3.58	MAIN	15	9	9				$\overline{}$
	Sharpness f0(VIDEO) NTSC3.58	MAIN	3	2	2				$\overline{}$
	Sharpness Gain(VIDEO) NTSC3.58	SUB	15	8	8				†
	Sharpness f0(VIDEO) NTSC3.58	SUB	3	2	2				†
	Sharpness Gain(VIDEO) SECAM,B/W	MAIN	15	10					\vdash
	Sharpness f0(VIDEO) SECAM,B/W	MAIN	3	2	2				\vdash
	Sharpness Gain(VIDEO) SECAM,B/W	SUB	15	8	8				\vdash
	Sharpness f0(VIDEO) SECAM,B/W	SUB	3	2	2				\vdash
	Sharpness Gain(VIDEO) NTSC4.43	MAIN	15	9	9				\vdash
	Sharpness f0(VIDEO) NTSC4.43	MAIN	3	2	2				†
	Sharpness Gain(VIDEO) NTSC4.43	SUB	15	8	8				†
	Sharpness f0(VIDEO) NTSC4.43	SUB	3	2	2				$\overline{}$
	Brightness Limitted Function of PANEL [APSON]		1	1	1				$\overline{}$
	VsVa WAIT TIMER [RISTIM]		15	5	5				$\overline{}$
	CONTRAST initial value	Panel Life -Extend1	127	93					$\overline{}$
	Correcting Time Interval	Panel Life -Extend1	127	10					\vdash
	CONTRAST additional value	Panel Life -Extend1	127	1	1				\vdash
	CONTRAST initial value	Panel Life -Extend2	127	63	<u> </u>				\vdash
	Correcting Time Interval	Panel Life -Extend2	127	6	6				\vdash
	CONTRAST additional value	Panel Life -Extend2	127	1	1				
	L_PLL.GAIN	. G. GI EIIO EARGIUZ	1	0	0				
	Y/G Horizontal Clip offset Level(42V/37V) AS(YHECLPL0_P0)	RF/Multi Picture mode	15	2	2				\vdash
357		IN AMULI FICIULE HIDGE	10			1			
352			15	- 1	- 1				
352 353	Y/G Horizontal Clip offset Level(42V/37V) AS(YHECLPL1_P0)	NT1/PAL1(except RF)	15 15	1	1				-
352 353 354			15 15 15	1 1 10	1 1 7				

						▲: should be follo		
ADJ.	Function		Maximum Value		fault	Changed (FORMATTER VIDE		
No.	Adjustment Items	Mode			55HDM71	PWB PW		
	SEPA_LEVEL_DSUB	480i/576i	3	2	2			₩
	SEPA_LEVEL_DSUB SEPA_LEVEL_DSUB	480p/576p 1080i 50	3	2	2			┿
	SEPA_LEVEL_DSUB	1080i 60/720p	3	2	2			+
360 H	HD-PHASE_DSUB	480i/576i	63	20	20			
	HD-PHASE_DSUB	480p/576p	63	20	20			<u> </u>
	HD-PHASE_DSUB	1080i_50	63 63	20 20	20			₩
	HD-PHASE_DSUB /_DL (L)	1080i_60/720p MAIN	10	4	20 4			+
	/_DL (L')	MAIN	10	4	4			+
366	/_DL (L)	Sub	10	1	1			
	/_DL (L')	Sub	10	1	1			
	Sharpness Gain(L)	MAIN	15	10	10		_	
	Sharpness Gain(L') Sharpness Gain(L)	MAIN SUB	15 15	10 8	10 8			+
	Sharpness Gain(L')	SUB	15	8	8			+
372 5	Sharpness f0(L)	MAIN	3	2	2			
	Sharpness f0(L')	MAIN	3	2	2			
	BURN-IN enable/ disenable	0:Disenable, 1:Enable	1	1	1 2			
	BURN-IN mode CM_THRESHOLD (D15-D8)	_	2 254	0	0			+
	CM_THRESHOLD (D7 -D0)	-	254	36	36			+
378	Sharpness Gain(RF M)	MAIN	15	11	11			
379	Sharpness Gain(RF M)	Sub	15	11	11			
	Sharpness f0 (RF M)	Main	3	2	2		-	₩
	Sharpness f0 (RF M) Counting Value of 2ms Sync.Detect	SUB MAIN	3	2	2		+	+
	Counting Value of 2ms Sync.Detect	SUB	-	-	-		+	
384	FB1274 Read Data(00h)	Main	-	-	-			
385	FB1274 Read Data(01h)	Main	-	-	-			
	FB1274 Read Data(00h)	Sub	-	-	-		-	₩
	IB1274 Read Data(01h) MSP Read Data (CNTROL) (D15-D8)	Sub	-	-	-		+	+
	MSP Read Data (CNTROL) (D15-D6)		-	-	-		+	t
	MSP Read Data (STANDARD RES) (D15-D8)		-	-	-			1
	MSP Read Data (STANDARD RES) (D7 -D0)		-	-	-			
	MSP Read Data (STATUS) (D15-D8)		-	-	-		_	
	MSP Read Data (STATUS) (D7 -D0) FA1370G Read Data(00h)	VIDEO PWB	-	-	-			+
	FA1370G Read Data(001)	VIDEO PWB	-	-	-			+
	FA1370G Read Data(00h)	FORMATTER PWB	-	-	-			1
	FA1370G Read Data(01h)	FORMATTER PWB	-	-	-			
	IPD64084 Read Data(00H)		-	-	-		_	
	uPD64084 Read Data(01h) Language (Refer to below)		- 6	- 0	- 0		_	┼
	Hotel Mode(0:No,1:Yes)		1	0	0			+
	Analog Data (0:Keep EEPROM,1:Not Keep to EEPROM)		1	0	0			
	Maximum Volume Limit		63	63	63			
	Power Mode(0:Last mode, 1:Pos1, 2:V1, 3:V2, 4:V3, 5:V4) Channel Select(0:CCIR, 1:CHINA)		5	0	0		-	+
	Auto sound 4.5 (0:Korea, 1:BTSC, 2:Japan)		2	0	0			+
	F/TEXT(0: None, 1:Yes)		1	1	1			†
408	FEXT Language		7	0	0			
	IC BUS Data/Clock Open(0:Close, 1:Open)		1	0	0			
	Channel Preset(0:VESTEL, 1:GIFU, 2:HAMA, 3:HFDM,4:AUSTRALIA)		4	1	1			₩
	Detect and Display Tele-Cinema (0:normal 1:Tele-Cinema) / FREQ 60Hz Force (0:None, 1:Yes)	Main/Sub	1	0	- 0			+-
	COLOR SYSTEM CONTROL-MODE(0:BW, 2:3.58NTSC, 3:4.43NTSC, · · ·)		-	-	-			+
	COLOR SYSTEM CONTROL-MODE(0:BW, 2:3.58NTSC, 3:4.43NTSC,)		-	-	-			
	Horizontal Filter SW [HHPF0]	NTSC	1	0	0			
	Enhancer Gain [HHPF1] Enhancer Gain [HHPF2]	PAL HD	1	0	0	 	+	+
	Horizontal Coring Level (Enhancer Gain)(55V) AS[HECOR0_PO]	NT1-RF	15	1	1		+	+
	Horizontal Coring Level (Enhancer Gain)(55V) AS[HECOR1_PO]	PAL1-RF / Multi picture	15	0	-			
	Horizontal Coring Level (Enhancer Gain)(55V) [HECOR2_PO]	NT1-Video	15	0	0			\perp
	Horizontal Coring Level (Enhancer Gain)(55V) [HECOR3_PO]	PAL1-Video	15	0	0		-	₩
	Horizontal Coring Level (Enhancer Gain)(55V) [HECOR4_PO] Horizontal Coring Level (Enhancer Gain)(55V) [HECOR5 PO]	NT2/NT3/NT4/PAL2/PAL3/PAL4 HD2/HD3/HD9/HD10	15 15	1	1		+	+-
	Horizontal Coring Level (Emancer Gain)(35V) [HECOR5_FO]	HD1/HD4/HD5/HD6/HD7/HD8	15	1	1		+	+
	Horizontal Coring Level (Enhancer Gain)(55V) [HECORPC_PO]	PC	15	1	1		1	
	Horizontal Coring Level (Enhancer Gain)(55V) EU[HECORE_PO]	PAL1-RF / Multi picture	15	-	-			
	/ertical Coring Level (Enhancer Gain)(55V) AS[VECOR0_P0]	NT1-RF	15	2	- 1		-	₩
	/ertical Coring Level (Enhancer Gain)(55V) AS[VECOR1_PO] /ertical Coring Level (Enhancer Gain)(55V) [VECOR2_PO]	PAL1-RF / Multi picture NT1-Video	15 15	1	1		+	+-
	/ertical Coring Level (Emlancer Gain)(55V) [VECOR2_FO]	PAL1-Video	15	1	1		1	+
	/ertical Coring Level (Enhancer Gain)(55V) [VECOR4_PO]	NT2/NT3/NT4/PAL2/PAL3/PAL4	15	0	0			
	/ertical Coring Level (Enhancer Gain)(55V) [VECOR5_PO]	HD2/HD3/HD9/HD10	15	1	1			
	/ertical Coring Level (Enhancer Gain)(55V) [VECOR6_PO]	HD1/HD4/HD5/HD6/HD7/HD8	15	3	3		-	
	/ertical Coring Level (Enhancer Gain)(55V) [VECORPC_PO] /ertical Coring Level (Enhancer Gain)(55V) EU[VECORE_PO]	PC PAL1-RF / Multi picture	15 15	0	0	 	-	+-
	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) AS[HECOR0_P1]	NT1-RF	15	1	1	 	+	
437 H	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) AS[HECOR0_P2]	PAL1-RF / Multi picture	15	1	1			
438 H	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) [HECOR0 P3]	NT1-Video	15	1	1			\blacksquare
	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) [HECORO P4]	PAL1-Video	15	1	1		+	₩
	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) [HECOR0 P5] Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) [HECOR0 P6]	NT2/NT3/NT4/PAL2/PAL3/PAL4 HD2/HD3/HD9/HD10	15 15	0 1	1		+	+-
	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) [HECORO P7]	HD1/HD4/HD5/HD6/HD7/HD8	15	0	0		+	†
	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) [HECORPC P1]	PC	15	1	1			
	Horizontal Coring Level (Enhancer Gain)(32V/37V/42V) EU[HECORE P1]	PAL1-RF / Multi picture	15	1	1	ı <u> </u>		

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ADJ.	Function		Maximum Value	Defa		EODMATTER	nged Co		
No.	Adjustment Items	Mode		55PMA550		PWB	PWB	PWB	Pane
	Vertical Coring Level (Enhancer Gain)(32V/37V/42V) AS[VECOR0_ Vertical Coring Level (Enhancer Gain)(32V/37V/42V) AS[VECOR0_		15 15	1	1				
	Vertical Coring Level (Enhancer Gain)(32V/37V/42V) [VECOR0_P3		15	1	1				
448	Vertical Coring Level (Enhancer Gain)(32V/37V/42V) [VECOR0_P4	PAL1-Video	15	1	1				
	Vertical Coring Level (Enhancer Gain)(32V/37V/42V) [VECOR0_P6 Vertical Coring Level (Enhancer Gain)(32V/37V/42V) [VECOR0_P6		15 15	0	0				
	Vertical Coring Level (Enhancer Gain)(32V/37V/42V) [VECOR0_P7		15	0	0				
452	Vertical Coring Level (Enhancer Gain)(32V/37V/42V) [VECORPC_	P1] PC	15	0	0				
	Vertical Coring Level (Enhancer Gain)(32V/37V/42V) EU[VECORE YFRNR Input Gain (Main) 2 pictures [MYNRG0]	_P1] PAL1-RF / Multi picture HD-except HD	15 7	1	1				
455	HD-NTSC,HD-PAL(Sub) [MYNRG1]	HD-HD	7	3	3				
456	4 pictures [MYNRG2]	NT-*/PAL-*	7	1	1				
457	[MYNRG3] YFRNR Input Gain (Sub) [YCNRG0]	HD-* 2 pictures	7	3	3				
459	[YCNRG1]	4pictures/12pictures	7	1	1				
	CFRNR Input Gain (Main) 2 pictures [MCNRG0]	HD-except HD	7	3	3				
461	<hd-ntsc,hd-pal(sub)< th=""> [MCNRG1] [MCNRG2] [MCNRG2]</hd-ntsc,hd-pal(sub)<>	HD-HD NT-*/PAL-*	7	3	3				
463	[MCNRG3]	HD-*	7	3	3				
	CFRNR Input Gain (Sub) [SCNRG0]	2 pictures	7	3	3				
465	[SCNRG1] YFRNR Transition Level (Main/Sub) [MYNRP0]	4pictures/12pictures NT1/ PAL1 / Multi picture	7	0	0				
467	[MYNRP5]	NT1/PAL1-Video	7	0	0				
468	[MYNRP6]	NT2/NT3/NT4/PAL2/PAL3/PAL4	7	0	0				
469 470	[MYNRP7] [MYNRP8]	HD2/HD3/HD9/HD10 HD1/HD4/HD5/HD6/HD7/HD8	7	0	0		1		1
	CFRNR Transition Level (Main/Sub) [MCNRP0]	NT1/ PAL1 / Multi picture	7	2	2				
472	[MCNRP5]	NT1/PAL1-Video	7	2	2				
473 474	[MCNRP6] [MCNRP7]	NT2/NT3/NT4/PAL2/PAL3/PAL4 HD2/HD3/HD9/HD10	7	2	2			-	
475	[MCNRP8]	HD1/HD4/HD5/HD6/HD7/HD8	7	0	0				
	Vertical Enhancer Gain for Y/G [YVEG0_P0]	NTSC/PAL(-except RF)	15	15	15				
477 478	[YVEG1_P0] [YVEG2_P0]	HD2/HD3/HD9/HD10 HD1/HD4/HD5/HD6/HD7/HD8	15 15	4 15	4 15				
479	AS[YVEG3_P0]	PAL1-RF / Multi picture	15	15	-				
480	EU[YVEG0_E_P0]	PAL1-RF / Multi picture	15	-	-				
481 482	Vertical DSB Gain For Y/G [YVDSBG0_P0] [YVDSBG1_P0]	NTSC/ PAL / Multi picture HD2/HD3/HD9/HD10	3	0	0				
483	[YVDSBG2_P0]	HD1/HD4/HD5/HD6/HD7/HD8	3	2	2				
	Vertical DSB Coring for Y/G [YVDSBG0_P0]	NTSC/ PAL / Multi picture	7	7	7				
485 486	[YVDSBG1_P0] Vertical Enhancer Clip for Y/G 0:LTI [YVECLP0_P0]	NTSC/ PAL / Multi picture	7	1	1				
487	[YVECLP1_P0]	HD	1	0	0				
	Vertical Clip Offset Level [YVECLP0_P0]	NTSC/ PAL / Multi picture	15	15	15				
489 490	[YVECLP1_P0] Vertical Non Linear Peaking for Y/G [YVNLP0_P0]	NTSC/ PAL / Multi picture	15 63	0	4 0				
491	[YVNLP1_P0]	HD	63	0	0				
492 493	Horizontal HPF Peak Freq. SW for Y/G [YHHPF0_P0] [YHHPF1_P0]	NTSC/ PAL / Multi picture HD2/HD3/HD9/HD10	3	2	2				
493	[YHHPF2_P0]	HD1/HD4/HD5/HD6/HD7/HD8	3	1	1				
	Horizontal Enhancer Gain for Y/G [YHEG0_P0]	NTSC/PAL(-except RF)	15	15	15				
496 497	[YHEG1_P0] [YHEG2_P0]	HD2/HD3/HD9/HD10 HD1/HD4/HD5/HD6/HD7/HD8	15 15	15 15	15 15				
498	AS[YHEG3_P0]	PAL1-RF / Multi picture	15	15	15				
499	EU[YHEG0_E_P0]	PAL1-RF / Multi picture	15	15	15				
500	Horizontal DSB Gain For Y/G [YHDSBG0_P0] [YHDSBG1_P0]	NTSC/ PAL / Multi picture HD2/HD3/HD9/HD10	3	0	0				
502	[YHDSBG2_P0]	HD1/HD4/HD5/HD6/HD7/HD8	3	2	2				
	Horizontal DSB Coring for Y/G [YHDSBC0_P0]	NTSC/ PAL / Multi picture	7	0	0				
504	[YHDSBC1_P0] Horizontal Enhancer Clip for Y/G 0:LTI [YHECLP0_P0]	NTSC/ PAL / Multi picture	7	7	7		1		1
506	[YHECLP1_P0]	HD	1	0	0				
	Horizontal Clip Offset Level for Y/G AS[YHECLPL0_P0]	RF / Multi picture NT1-except RF / PAL1-except RF	15	8	-		<u> </u>		<u> </u>
508 509	AS[YHECLPL1_P0] [YHECLPL2_P0]	HD HD	15 15	4	4				
510	EU[YHECLPL0_E_P0]	RF / Multi picture	15	-	-				
511	EU[YHECLPL1_E_P0] Horizontal Non Linear Peaking for Y/G [YHNLP0_P0]	NT1-except RF / PAL1-except RF NTSC/ PAL / Multi picture	15 63	- 0	- 0	1	<u> </u>	<u> </u>	<u> </u>
512	Figure Horizontal Non Linear Peaking for Y/G [YHNLP0_P0]	HD HD	63	0	0		1		1
514	Coring Amplitude for Y/G [YCOR0_PO]	NT1-RF/ PAL1-RF / Multi picture	7	4	4				
515 516	[YCOR1_PO] [YCOR2_PO]	NT1-Video / PAL1-Video NT2/NT3/NT4/PAL2/PAL3/PAL4	7	3	3		1		
516	[YCOR3_PO]	HD2/HD3/HD9/HD10	7	2	2		1		1
518	[YCOR4_PO]	HD1/HD4/HD5/HD6/HD7/HD8	7	2	2				
519 520	Vertical Enhancer Gain for Y/G [YVEG0_P1] [YVEG1_P1]	NTSC/PAL(-except RF) HD2/HD3/HD9/HD10	15 15	8 12	8 12		1		
521	[YVEG1_P1] [YVEG2_P1]	HD1/HD4/HD5/HD6/HD7/HD8	15	8	8				
522	AS[YVEG3_P1]	PAL1-RF / Multi picture	15	8	8				
523	EU[YVEG0_E_P1] Vertical DSB Gain for Y/G [YVDSBG0_P1]	PAL1-RF / Multi picture NTSC/ PAL / Multi picture	15	8	8			-	
525	Vertical DSB Gain for Y/G [YVDSBG0_P1] [YVDSBG1_P1]	HD2/HD3/HD9/HD10	3	0	0				
526	[YVDSBG2_P1]	HD1/HD4/HD5/HD6/HD7/HD8	3	0	0				
	Vertical DSB Coring for Y/G [YVDSBC0_P1]	NTSC/ PAL / Multi picture	7	3	3		1	 	
	10(/160/4 134)				J				
528	[YVDSBC1_P1] Vertical Enhancer Clip for Y/G 0:LTI [YVECLP0_P1]	NTSC/ PAL / Multi picture	1	1	1				Щ.
528 529 530	Vertical Enhancer Clip for Y/G 0:LTI [YVECLP0_P1] [YVECLP1_P1]	NTSC/ PAL / Multi picture HD	1	1	1				
528 529 530	Vertical Enhancer Clip for Y/G 0:LTI [YVECLP0_P1]	NTSC/ PAL / Multi picture							

						O: should le			s data
ADJ.	Function		Maximum	Det	ault			mponen	
No.	Adjustment Items	Mode	Value	55PMA550	55HDM71	FORMATTER PWB	PWB	PWB	
534	[YVNLP1_P1]	HD	63	0	0				<u> </u>
536	Horizontal HPF Peak Freq. SW for Y/G [YHHPF0_P1] [YHHPF1_P1]	NTSC/ PAL / Multi picture HD2/HD3/HD9/HD10	3	<u>2</u>	2 1				
537	[YHHPF2_P1]	HD1/HD4/HD5/HD6/HD7/HD8	3	1	1				
	Horizontal Enhancer Gain for Y/G [YHEG0_P1]	NTSC/PAL(-except RF)	15	15	15				
539 540	[YHEG1_P1] [YHEG2_P1]	HD2/HD3/HD9/HD10 HD1/HD4/HD5/HD6/HD7/HD8	15 15	15 0	15 0				├
541	AS[YHEG3_P1]	PAL1-RF / Multi picture	15	15	15				\vdash
542	EU[YHEG0_E_P1]	PAL1-RF / Multi picture	15	15	15				
	Horizontal DSB Gain for Y/G [YHDSBG0_P1] [YHDSBG1_P1]	NTSC/ PAL / Multi picture HD2/HD3/HD9/HD10	3	0	3 0				<u> </u>
544 545	[YHDSBG1_F1] [YHDSBG2_P1]	HD1/HD4/HD5/HD6/HD7/HD8	3	0	0				—
	Horizontal DSB Coring for Y/G [YHDSBC0_P1]	NTSC/ PAL / Multi picture	7	1	4				
547		HD	7	0	0				Ь—
548		NTSC/ PAL / Multi picture HD	1	0	0				
	Horizontal Clip Offset Level for Y/G AS[YHCLPL0_P1]	RF / Multi picture	15	1	1				
551	AS[YHCLPL1_P1]	NT1-except RF/PAL1-except RF	15	1	1				
552 553	[YHECLPL2_P1] EU[YHECLPL0_E_P1]	HD RF / Multi picture	15 15	0 4	0 4				├
554	EU[YHECLPL1_E_P1]	NT1-except RF/PAL1-except RF	15	4	4				
555	Horizontal Non Linear Peaking for Y/G [YHNLP0_P1]	NTSC/ PAL / Multi picture	63	0	0				
556	[YHNLP1_P1] Coring Amplitude for Y/G [YC0R0_P1]	HD NT1-RF/PAL1-RF / Multi picture	63 7	7	7				
558	Coring Amplitude for Y/G [YC0R0_P1] [YC0R1_P1]	NT1-RF/PAL1-RF / Multi picture NT1-Video/PAL1-Video	7	5	5				
559	[YC0R2_P1]	NT2/NT3/NT4/PAL2/PAL3/PAL4	7	3	3				
560	[YC0R3_P1]	HD2/HD3/HD9/HD10	7	1	1				₩
561 562	[YC0R4_P1] Vertical Enhancer Gain for B-Y/B, R-Y/R [CVEG0]	HD1/HD4/HD5/HD6/HD7/HD8 NTSC/ PAL / Multi picture	7 15	1 15	1 15				
563		HD	15	9	9				
	Vertical DSB Gain for B-Y/B, R-Y/R [CVDSBG0]	NTSC/ PAL / Multi picture	3	0	0				
565 566	[CVDSBG1] Vertical DSB Coring for B-Y/B, R-Y/R [CVDSBC0]	HD NTSC/ PAL / Multi picture	7	0	0 0				
567		HD	7	0	0				
568	Vertical Enhancer Clip for B-Y/B, R-Y/R 0:CTI [CVECLP0]	NTSC/ PAL / Multi picture	1	0	0				
569	[CVECLP1]	HD NTSC/ DAL / Multi mieture	3	2	2				⊢
571	Horizontal HPF Peak Freq. SW for B-Y/B, R-Y/R [CHHPF0] [CHHPF1]	NTSC/ PAL / Multi picture HD	3	2	2				
	Horizontal Enhancer Gain for B-Y/B, R-Y/R [CHEG0]	NTSC/ PAL / Multi picture	15	15	15				
573		HD	15	9	9				—
574		NTSC/ PAL / Multi picture HD	3	0	0				
	Horizontal DSB Coring for B-Y/B, R-Y/R [CHDSBC0]	NTSC/ PAL / Multi picture	7	0	0				
577	[CHDSBC1]	HD	7	0	0				
578 579	Horizontal Enhancer Clip for B-Y/B, R-Y/R 0:CTI [CHECLP0] [CHECLP1]	NTSC/ PAL / Multi picture HD	1	0	0				
	Coring Amplitude for B-Y/B, R-Y/R [CC0R0]	NTSC/ PAL / Multi picture	7	1	1				
581	[CC0R1]	HD	7	1	1				
		NT1/2/3,HD2/3,PAL1/2/3,HD9/10	255	128	128				<u> </u>
	R-Y Clamp offset [Except D Sub Component] B-Y Clamp offset [Except D Sub Component]	NT1/2/3,HD2/3,PAL1/2/3,HD9/10 HD1/4,HD7/8	255 255	128 128	128 128				<u> </u>
	R-Y Clamp offset [Except D Sub Component]	HD1/4,HD7/8	255	128	128				
	B-Y Clamp offset [Except D Sub Component]	HD5/6	255	128	128				<u> </u>
	R-Y Clamp offset [Except D Sub Component] B-Y Clamp offset [D Sub Component]	HD5/6 NT1/2/3,HD2/3,PAL1/2/3,HD9/10	255 255	128 128	128 128				├
		NT1/2/3,HD2/3,PAL1/2/3,HD9/10	255	128	128				
		HD1/4,HD7/8	255	128	128				
		HD1/4,HD7/8 HD5/6	255 255	128 128	128 128				
	B-Y Clamp offset [D Sub Component] R-Y Clamp offset [D Sub Component]	HD5/6	255	128	128				—
594	B-Y Clamp offset [DVI-STB]	480i/576i/480p/576p/VGA	255	128	128				
	R-Y Clamp offset [DVI-STB]	480i/576i/480p/576p/VGA	255	128	128				\vdash
	B-Y Clamp offset [DVI-STB] R-Y Clamp offset [DVI-STB]	1080i-50/1080i-60 1080i-50/1080i-60	255 255	128 128	128 128				
		720p-60	255	128	128				
599	R-Y Clamp offset [DVI-STB]	720p-60	255	128	128				
	Y OUT LEVEL M (4.5) For Asia Y OUT LEVEL B/G (5.5) For Asia	Main Main	63	15	15				├—
	Y OUT LEVEL B/G (5.5) For Asia Y OUT LEVEL D/K (6.5) For Asia	Main Main	63 63	13 16	13 16				
603	Y OUT LEVEL I (6.0) For Asia	Main	63	14	14				
	Y OUT LEVEL B/G (5.5) For Europe	Main	63	13	13				Ē
	Y OUT LEVEL D/K (6.5) For Europe Y OUT LEVEL I (6.0) For Europe	Main Main	63 63	16 19	16 19				
	Y OUT LEVEL L (6.5) For Europe	Main	63	13	13				
608	Y OUT LEVEL L' (6.1) For Europe	Main	63	12	12				
	Y OUT LEVEL M (4.5) For US C OUT LEVEL M (4.5) For Asia	Main Main	63 63	13 7	13 7				₩
	C OUT LEVEL M (4.5) For Asia C OUT LEVEL B/G (5.5) For Asia	Main	63	13	13				
612	C OUT LEVEL D/K (6.5) For Asia	Main	63	13	13				
	C OUT LEVEL I (6.0) For Asia	Main	63	13	13				Ē
	C OUT LEVEL B/G (5.5) For Europe C OUT LEVEL D/K (6.5) For Europe	Main Main	63 63	8	8				
	C OUT LEVEL DIX (6.3) For Europe	Main	63	3	3				
617	C OUT LEVEL L (6.5) For Europe	Main	63	8	8				
	C OUT LEVEL L' (6.1) For Europe	Main Main	63	8	8				
640	C OUT LEVEL M (4.5) For US	Main Sub	63 63	13 14	13 14				—
	Y OUT LEVEL M (4.5) For Asia								
620 621	Y OUT LEVEL M (4.5) For Asia Y OUT LEVEL B/G (5.5) For Asia Y OUT LEVEL D/K (6.5) For Asia	Sub Sub	63 63	13	13 15				

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ADJ.	Function		Maximum	Defa	1	Chan FORMATTER		mponer	
No.	Adjustment Items	Mode	Value	55PMA550	55HDM71	PWB	PWB	PWB	
	Y OUT LEVEL I (6.0) For Asia	Sub	63	13	13				
	Y OUT LEVEL B/G (5.5) For Europe Y OUT LEVEL D/K (6.5) For Europe	Sub Sub	63 63	13 16	13 16				₩
	Y OUT LEVEL 1 (6.0) For Europe	Sub	63	20	20				1
	Y OUT LEVEL L (6.5) For Europe	Sub	63	13	13				
628	Y OUT LEVEL L' (6.1) For Europe	Sub	63	13	13				
	Y OUT LEVEL M (4.5) For US	Sub	63	13	13				
	C OUT LEVEL M (4.5) For Asia C OUT LEVEL B/G (5.5) For Asia	Sub Sub	63 63	7 13	7 13				₩
	C OUT LEVEL B/G (5.3) FOI ASIA C OUT LEVEL D/K (6.5) For Asia	Sub	63	13	13				
	C OUT LEVEL I (6.0) For Asia	Sub	63	13	13				t
	C OUT LEVEL B/G (5.5) For Europe	Sub	63	13	13				
635	C OUT LEVEL D/K (6.5) For Europe	Sub	63	13	13				
	C OUT LEVEL I (6.0) For Europe	Sub Sub	63 63	13 13	13 13				₩
	C OUT LEVEL L (6.5) For Europe C OUT LEVEL L' (6.1) For Europe	Sub	63	13	13				-
	C OUT LEVEL M (4.5) For US	Sub	63	13	13				1
640	Contrast Center (CM)	DVI-PC	254	128	128				
	Contrast Center (CM)	DVI-STB (With Setup)	254	149	149				
	Contrast Center (CM)	DVI-STB (Without Setup)	254	128	128				-
	Contrast Center (CM) Contrast Center (CM)	DSUB-RGB Expand DSUB-RGB (Reserved)	254 254	128 128	128 128				├
	Contrast Center (CM) Contrast Center (CM)	DSUB-COMP	254	137	137				\vdash
	Brightness Center (CM)	DVI-PC	254	128	128				
647	Brightness Center (CM)	DVI-STB	254	128	128				
	Brightness Center (CM)	DSUB-RGB	254	128	128				
	Brightness Center (CM)	Expand DSUB-RGB (Reserved)	254	128	128				₩
	Brightness Center Offset Color Center (CM)	DSUB-COMP DVI-PC	254 127	127 77	127 77				\vdash
	Color Center (CM) Color Center (CM)	DVI-PC DVI-STB (480i/576i/480p/576p)	127	77	77				\vdash
	Color Center (CM)	DVI-STB (480//370//4806//3706) DVI-STB (720p-60/1080i-60/1080i-50	127	77	77				\vdash
654	Color Center (CM)	DVI-STB (VGA)	127	77	77				
	Color Center (CM)	DSUB-RGB	127	77	77				
	Tint Center (CM)	DVI-PC	254	128	128				
	Tint Center (CM) Tint Center (CM)	DVI-STB (480i/576i/480p/576p) DVI-STB (720p-60/1080i-60/1080i-50	254 254	128 128	128 128				├
	Tint Center (CM)	DVI-STB (7205-60/10601-60/10601-30)	254	128	128				
	Tint Center (CM)	DSUB-RGB	254	128	128				<u> </u>
	Center of Sharpness (HV Enhance Gain for Y)	DVI-STB (480i/576i)	31	3	3				
	Center of Sharpness (HV Enhance Gain for Y)	DVI-STB (480p/576p)	31	2	2				
	Center of Sharpness (HV Enhance Gain for Y)	DVI-STB (720p-60)	31	2	2				
	Center of Sharpness (HV Enhance Gain for Y) Center of Sharpness (HV Enhance Gain for Y)	DVI-STB (1080i-60/1080i-50) DVI-STB (VGA)	31 31	2	2				
	DVI-STB Setup 0:None VGA/Others Yes, 1:All none 2:All have	DVI-STB (VGA)	2	0	0				\vdash
	HSYNC De-Jitter 0:Low (Disabled), 1:(High (Enabled)	DVI-PC	1	0	0				
	HSYNC De-Jitter 0:Low (Disabled), 1:(High (Enabled)	DVI-STB	1	0	0				
	HSYNC De-Jitter 0:Low (Disabled), 1:(High (Enabled)	AVC	1	0	0				
	Horizontal Clip Offset Level for Y/G(55V) AS[YHECLPL3_P0]	NT2~4/PAL2~4	15	10	15				-
	Horizontal Clip Offset Level for Y/G(55V) EU[YHECLPL3_E_P0] Horizontal Clip Offset Level for Y/G(32V/37V/42V) AS[YHCLPL3_P1]	NT2~4/PAL2~4 NT2~4/PAL2~4	15 15	10 8	15 7				
	Horizontal Clip Offset Level for Y/G(32V/37V/42V) EUIYHECLPL3_E_P1	NT2~4/PAL2~4	15	10	10				
	Y_DL (4.5MHz) For US	Main	10	7	7				
	Y_DL (4.6MHz) For US	Sub	10	7	7				
	Y_DL (5.5MHz PAL/NTSC4.43) For Europe	Main	10	4	4				
	Y_DL (5.5MHz SECAM) For Europe Y_DL (6.0PAL/NTSC4.43) For Europe	Main	10	1	1				
	Y_DL (6.0PAL/NTSC4.43) For Europe Y_DL (6.0SECAM) For Europe	Main Main	10 10	8 5	8 5				├
	Y_DL (5.5MHz PAL/NTSC4.43) For Europe	Sub	10	2	2				T
	Y_DL (5.5MHz SECAM) For Europe	Sub	10	0	0				
682	Y_DL (6.0PAL/NTSC4.43) For Europe	Sub	10	4	4				
	Y_DL (6.0SECAM) For Europe	Sub	10	0	0				<u> </u>
	Y_DL (6.5MHz PAL/NTSC4.43) For Europe Y_DL (6.5MHz SECAM) For Europe	Main Main	10 10	5 5	5 5				┢
	Y_DL (6.5MHz PAL/NTSC4.43) For Europe	Sub	10	2	2				\vdash
	Y_DL (6.5MHz SECAM) For Europe	Sub	10	0	0				
688	Center of Sharpness (HV Enhancer Gain for Y) For Asia/US	TV	31	18	18				
	Center of Sharpness (HV Enhancer Gain for Y) For Asia/US	VIDEO	31	18	24				$ldsymbol{oxed}$
	Center of Sharpness (HV Enhancer Gain for Y) For Asia/US Center of Sharpness (HV Enhancer Gain for Y) For Asia/US	HD5/HD6	31	11	11				<u> </u>
	Center of Sharpness (HV Enhancer Gain for Y) For Asia/US Center of Sharpness (HV Enhancer Gain for Y) For Asia/US	HD1/HD4/HD7/HD8 HD2/HD3/HD9/HD10	31 31	14 15	14 15				\vdash
	Center of Sharpness (HV Enhancer Gain for Y) For Asia/US For Asia/US	NT2/NT3/PAL2/PAL3/NT4/PAL4	31	8	4				\vdash
	Center of Sharpness (HV Enhancer Gain for Y) For Asia/US For Asia/US	TEXT(2 picture)	31	15	15				T
695	Contrast mode SW (TV-Dynamic) 0:Dynamic 1:Dynamic+Auto	TV	1	0	0				
		50/60Hz	255						lacksquare
	H detection(FORMATTER PWB) 0:out of range 128:NO H (or out of spec.) 255:interrupt V detection(VIDEO PWB) 0:out of range 128:NO V 255:interrupt		255		 				₩
	V detection(VIDEO PWB) 0:out of range 128:NO V 255:interrupt H detection(VIDEO PWB) 0:out of range 128:NO H 255:interrupt	50/60Hz 15/28/31/33/45kHz	255 255						\vdash
		50Hz[Natural/Night] mode	2	1	1				\vdash
		60Hz[Natural/Night] mode	2	1	1				
	Dispersion Time of Sustain current 0: 2 times, 1: 4 times		1	1	1				
	SMPLING	For CCD	255	0	0				$ldsymbol{oxed}$
	POLLING	For CCD	255	15	15				<u> </u>
	START TIMEOUT	For CCD For CCD	7 30	<u>2</u> 5	5				
100	STATUS	For CCD	7	2	2				\vdash
					64	1			
707	CCD-HP	For CCD	79	64	04				
707 708	CCD-HP CCD-CLK	For CCD	79	64	64				
707 708 709 710									

O: should be adjusted

						▲: should be					
ADJ.	Function		Maximum	Defa	ault			mponer			
No.	Adjustment Items	Mode	Value	55PMA550	55HDM71	FORMATTER PWB	VIDEO PWB		PDP		
712 Sharp	oness f0	For Main 480i/576i	3	1	1	I WB	I VVD	IVVD	i and		
713 Cb Of		For Main 480i/576i	15	8	8						
714 Cr Off		For Main 480i/576i	15	8	8						
715 Y out	level	For Main 480i/576i	63	15	15						
716 C out	t level	For Main 480i/576i	63	15	15						
	pness Gain	For Sub 480i/576i	15	10	10						
718 Sharp		For Sub 480i/576i	3	1	1						
719 Sharp	pness f0	For Sub 480i/576i	3	1	1						
720 Cb Of	iffset1	For Sub 480i/576i	15	8	8						
721 Cr Off	ffset1	For Sub 480i/576i	15	8	8						
722 Y out	t level	For Sub 480i/576i	63	15	15						
723 C out	t level	For Sub 480i/576i	63	15	15						
724 Free											
725 Free									1		
726 Free											
727 Free											
728 Free									1		
729 Free											
730 Free											
731 Free											
732 Free											
733 Free											
734 Free											
735 Free											
736 Free											
737 Free											
738 Free											
739 Free											
740 RGB	Amp. Gain Adjustment(FLAON)	Main	-	-	-	0			0		
741 RGB	Amp. Gain Adjustment	Sub	-	-	-	0			0		
	matic White Peak Adj.	Single Picture mode	-	-	-	0			0		
743 Auton	matic White Peak Adj.	Multi Picture mode	-	-	-	0			0		
	ROM Initialize(0:No, 1:Yes)		1	0	0						
745 Adjus	stment Menu of FC4		-	-	-						

Acceptable Signal Formats

PAL1: S and Composite of PAL/SECAM

PAL2: Component of PAL (YCBCR)
PAL3: Component of PAL (YPBPR)

PAL4: Component of PAL (YCBCR-SCART)

PAL: PAL1-4

NT1: S and Composite of NTSC

NT2: Component of NTSC (YCBCR)

NT3: Component of NTSC (YPBPR)

NT4: Component of NTSC (YCBCR-SCART)

NTSC: NTSC1-4

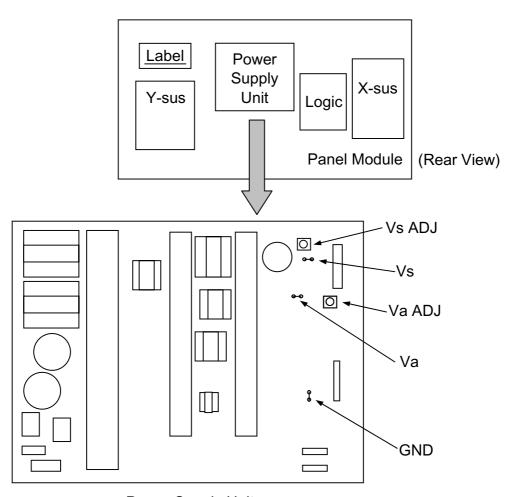
HD1-6: Component (shown in the table→)
HD7: Component of 1080i/50 (YPBPR)
HD8: Component of 1080i/50 (YCBCR)
HD9: Component of 576p (YPBPR)
HD10: Component of 576p (YCBCR)

HD: HD1-10 of Component

TV: NTSC / HD PC: PC signal

Video Input	System	Judgment of H.Frequency	Video Input Setup	Mode
	PAL	15.75kHz	Auto	PAL2
		(576i)	SDTV/DVD	PAL2
			HDTV	PAL3
	NTSC	15.75kHz	Auto	NT2
		(480i)	SDTV/DVD	NT2
			HDTV	NT3
	PAL	31.25kHz	Auto	HD10
		(576p)	SDTV/DVD	HD10
			HDTV	HD9
AV1	NTSC	31.50kHz	Auto	HD3
AV1 AV2		(480p)	SDTV/DVD	HD3
AVZ			HDTV	HD2
	NTSC	45.00kHz	Auto	HD5
		(720p)	SDTV/DVD	HD6
			HDTV	HD5
	PAL	28.125kHz	Auto	HD7
		(1080i)	SDTV/DVD	HD8
			HDTV	HD7
	NTSC	33.75kHz	Auto	HD1
		(1080i)	SDTV/DVD	HD4
			HDTV	HD1

	Item	Vs and	Va VOLTAGE ADJUSTMEN	T						
	Applicabl	e Model	55PMA550 , 55HDM71							
		Pre	eparation		Procedure					
(1) Keep h	eat-run for 1	minutes or more.	(1)	(1) If the difference between the printed voltage of V and the indicated value of Vs Voltmeter is over 0.1V, adjust the Vs ADJ VR located on the Powe Supply Unit to make it within 0.1V.					
(2	(2) Connect the DC Voltmeter to the Vs test point and the GND point (or the Va test point and the GND point) on the Power Supply Unit.				If the difference between the printed voltage of Va and the indicated value of Va Voltmeter is over 0.2V, adjust the Va ADJ VR located on the Power Supply Unit to make it within 0.2V.					
(3) Receive	e the all blad	ck signal with no setup.	(3)	Check and do the procedure (1) again.					
(4	printed		n of Vs and Va voltages located upper left side on		<example label="" of="" the="" voltage=""> COT> ************* Vs= 82.0V</example>					



Power Supply Unit

MENT -RGB (1)					
` '					
Procedure					
Select RGB2 and enter the service adjustment mode. Select No.740 "RGB Amp. Gain ADJ." and press OK button for more than 2 seconds to start the adjustment. It will complete the adjustment after the OSD of "AUTO MODE" disappeared.					

[Note] Never adjust without use of the specified signal.

If that were done by mistake, the picture would become abnormal in black level, contrast and color. In this case, it will be recovered by re-adjustment in the specified way.

Item	AUTON	MATIC SIGNAL LEVEL ADJU	STMI	ENT -RGB (2)
Applicable	Model	55PMA550 , 55HDM71		
	Preparation			Procedure
format	into AV1 ir ustment sign The s should This s	ignal level of black area d be pedestal level. ignal must not be inserted cters etc. Black White	(3)	Select AV1 and enter the service adjustment mode. Select No.740 "RGB Amp. Gain ADJ." and press OK button for more than 2 seconds to start the adjustment. It will complete the adjustment after the OSD of "AUTO MODE" disappeared. Select No.741 "RGB Amp. Gain ADJ." and press OK button for more than 2 seconds to start the adjustment. It will complete the adjustment after the OSD of "AUTO MODE" disappeared.

[Note] Never adjust without use of the specified signal.

If that were done by mistake, the picture would become abnormal in black level, contrast and color. In this case, it will be recovered by re-adjustment in the specified way.

Item	AUTOM	ATIC SIGNAL LEVEL ADJUS		ENT -VIDEO				
Applicable	e Model	55PMA550 , 55HDM71						
	Pre	eparation	Procedure					
format i	nto AV1 inpustment sign The sign	nal level of black area pe pedestal level. nal must not be inserted ers etc. Black White	(1)	Select AV1 and enter the service adjustment mode. Select No.743 "Automatic White peak Adj. (Multi)" and press OK button for more than 2 seconds to start the adjustment. It will complete the adjustment after the OSD of "AUTO MODE" disappeared.				

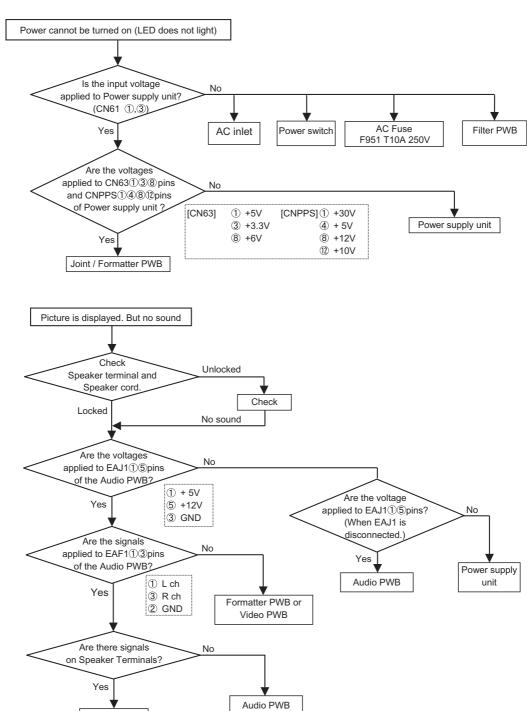
[Note] Never adjust without use of the specified signal.

If that were done by mistake, the picture would become abnormal in black level, contrast and color. In this case, it will be recovered by re-adjustment in the specified way.

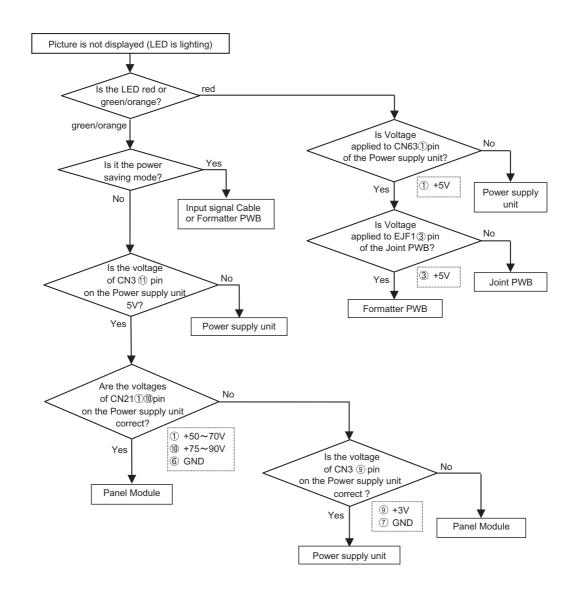
	tem COLOR TEMPERATURE ADJUSTM	ENT -VIDEO						
Α	Applicable Model 55PMA550, 55HDM71							
	Preparation	Procedure						
	(This item must be done before the color temperature adjustment for PC mode.) Set CRT COLOR ANALYZER at the center of the screen panel. Input the full-white raster signal to AV1	[Adjustment of Cool mode] (1) Enter the service adjustment mode, and confirm that No.0(R), 1(G) and 2(B) are all 255. If the some data are not, set to 255. (2) Adjust the color temperature by way that reduces						
	component terminal and select AV1. Signal condition 480i component Video level: 0.280Vp-p Sync level: 0.286Vp-p Setup level: 0V	the one or two data in No.0, 1 or 2. (Note: At least one of them should be 255 after adjustment.)						
(3)	Set the display size to "Full".	15000K x=0.264±0.005 y=0.263±0.005						
(4)	Change the input signal level to AV1 as below; Video level: 0.7Vp-p	 [Adjustment of Normal mode] (3) Enter the service adjustment mode, and confirm that No.3(R), 4(G) and 5(B) are all 255. If the some data are not, set to 255. (4) Adjust the color temperature by way that reduces the one or two data in No.3, 4 or 5. (Note: At least one of them should be 255 after adjustment.) 						
		Specification> Color Temperature (Normal) for Video 9300K x=0.285±0.005 y=0.293±0.005 [Adjustment of Warm mode] Enter the service adjustment mode, and confirm that No.6(R), 7(G) and 8(B) are all 255. If the some data are not, set to 255. Adjust the color temperature by way that reduces the one or two data in No.6, 7 or 8. (Note: At least one of them should be 255 after adjustment.)						
		<pre><specification> Color Temperature (Warm) for Video 6500K x=0.314±0.005 y=0.327±0.005 [Adjustment of Black / White mode]</specification></pre>						
		(7) Enter the service adjustment mode, and confirm that No.9(R), 10(G) and 11(B) are all 255. If the some data are not, set to 255.						
		(8) Adjust the color temperature by way that reduces the one or two data in No.9, 10 or 11. (Note: At least one of them should be 255 after adjustment.)						
		<specification> Color Temperature (B/W) for Video 5400K x=0.335±0.005 y=0.343±0.005</specification>						

ı	tem COLO	R TEMPERATURE ADJUSTME	ENT	-PC			
Applicable Model 55PMA550 , 55HDM71							
	F	Preparation		Procedure			
	the screen panel	te raster signal to RGB2 D-sub ect RGB2-RGB. n		[Adjustment of Cool mode] Enter the service adjustment mode, and confirm that No.12(R), 13(G) and 14(B) are all 255. If the some data are not, set to 255. Adjust the color temperature by way that reduces the one or two data in No.12, 13 or 14. (Note: At least one of them should be 255 after adjustment.)			
(3)	Setup level: Set the display a	rea to "Full". be done after the same	(3)	<pre></pre>			
				5400K x=0.335±0.005 y=0.343±0.005			

● Troubleshooting (POWER)

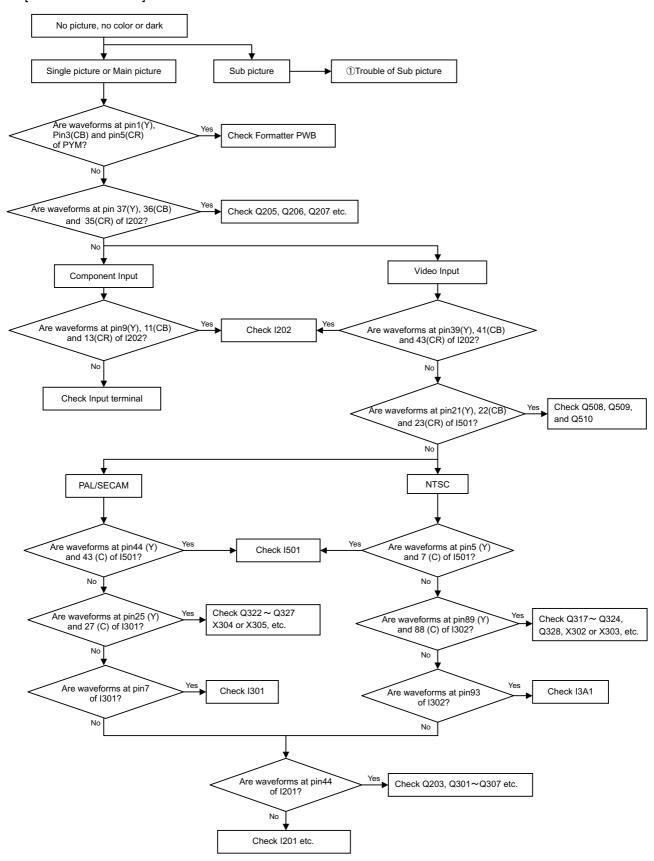


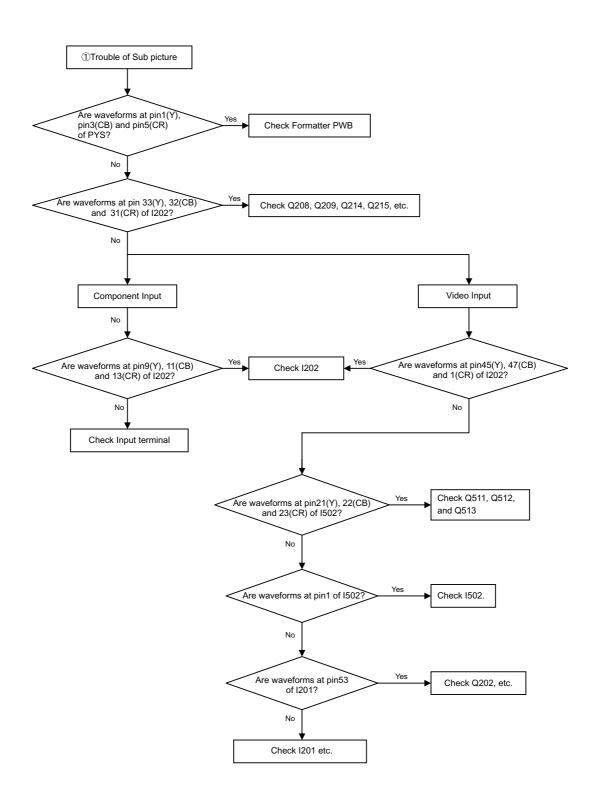
Speaker



● Troubleshooting (PICTURE)

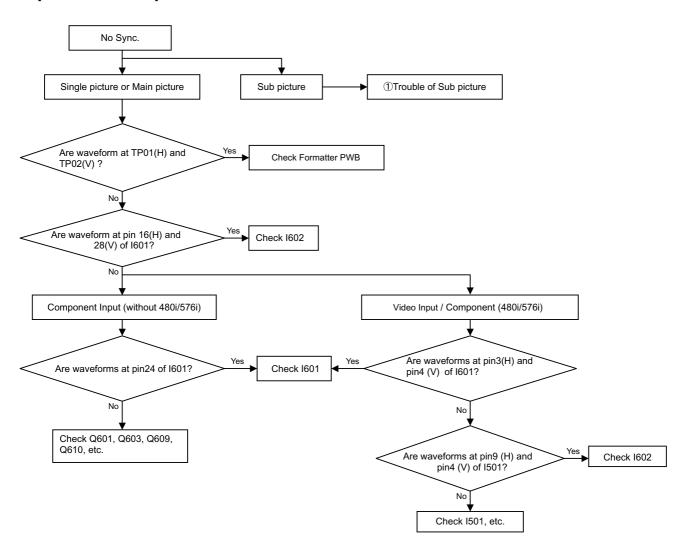
[VIDEO PWB Circuit]

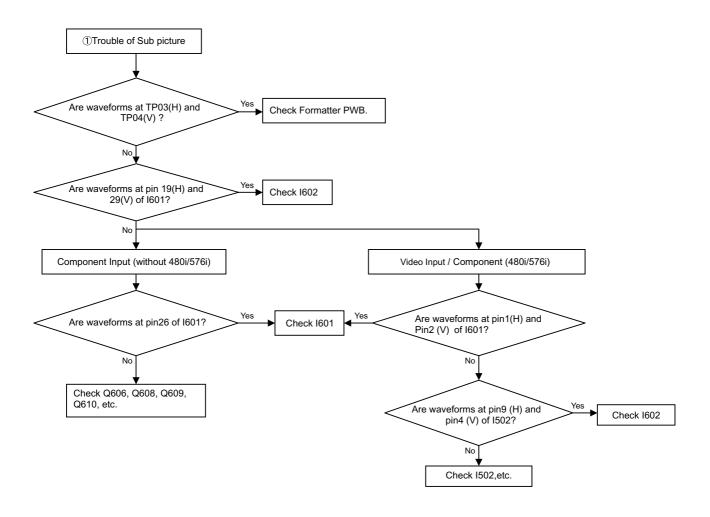




● Trouble Shooting (Synchronization)

[VIDEO PWB Circuit]

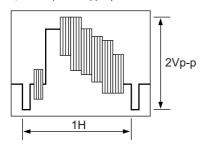




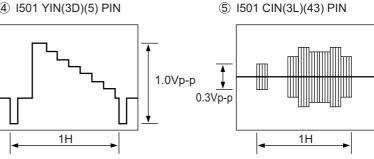
8. Basic circuit diagram

Waveform

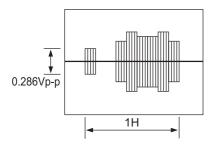
- ① I201(MAIN.V)(44) PIN
- 2 I201(SUB.V)(53) PIN



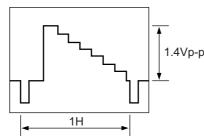
- ③ I501 YIN(3L)(44) PIN
- 4 I501 YIN(3D)(5) PIN



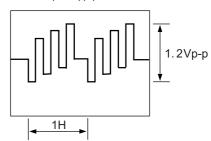
⑥ I501 CIN(3D)(7) PIN



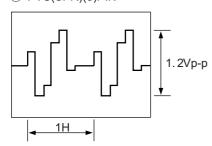
- 7 PYM(MY)(1)PIN
- 8 PYS(SY)(1)PIN



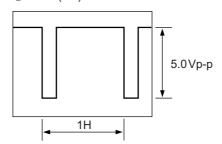
- 9 PYM(MPB)(3)PIN
- 1 PYS(SPB)(3)PIN



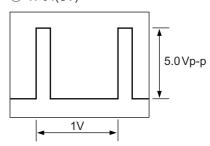
- ① PYM(MPR)(5)PIN
- 12 PYS(SPR)(5)PIN



- (13) TP01(MH)
- (4) TP03(SH)



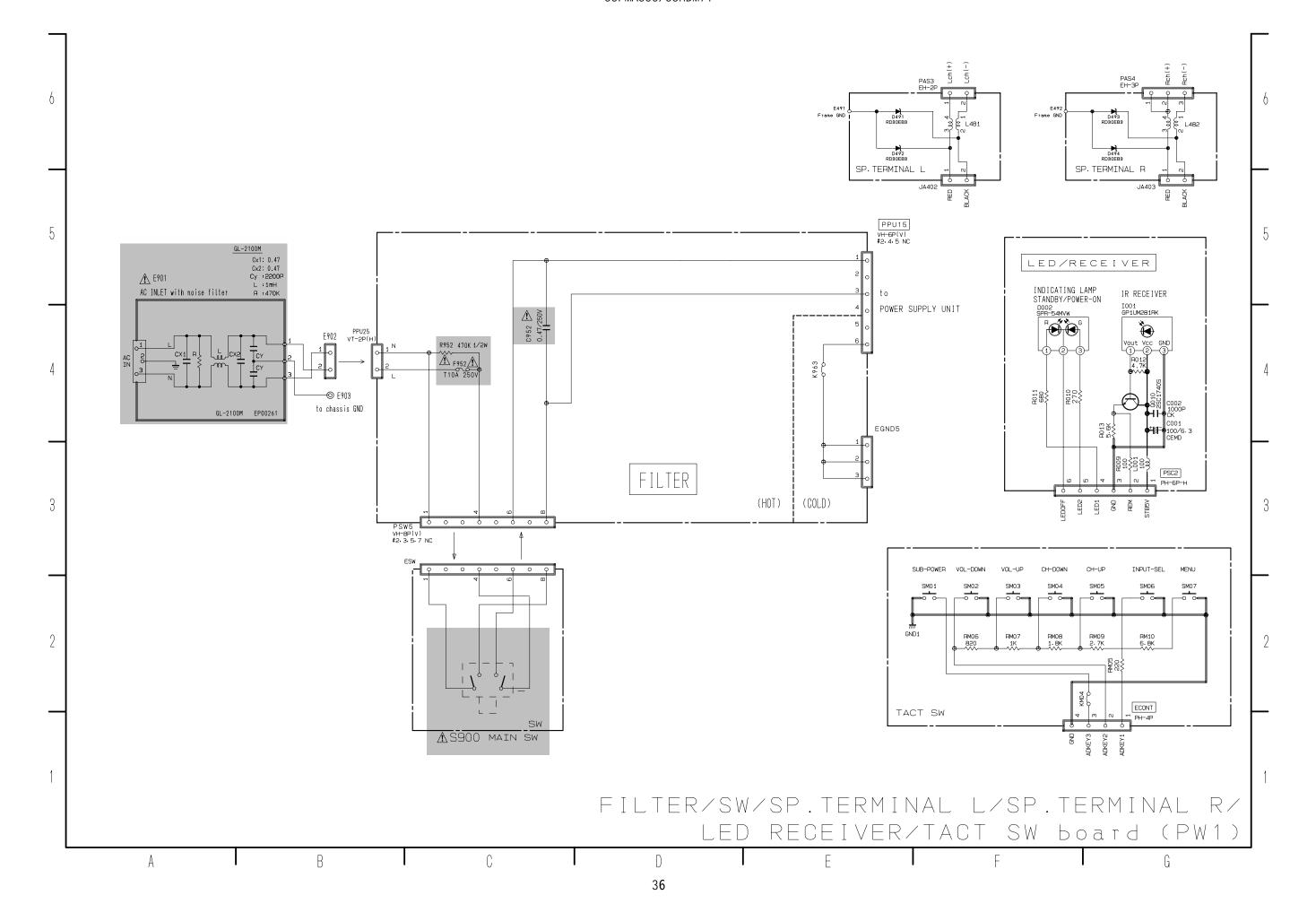
- (15) TP02(MV)
- 16 TP04(SV)

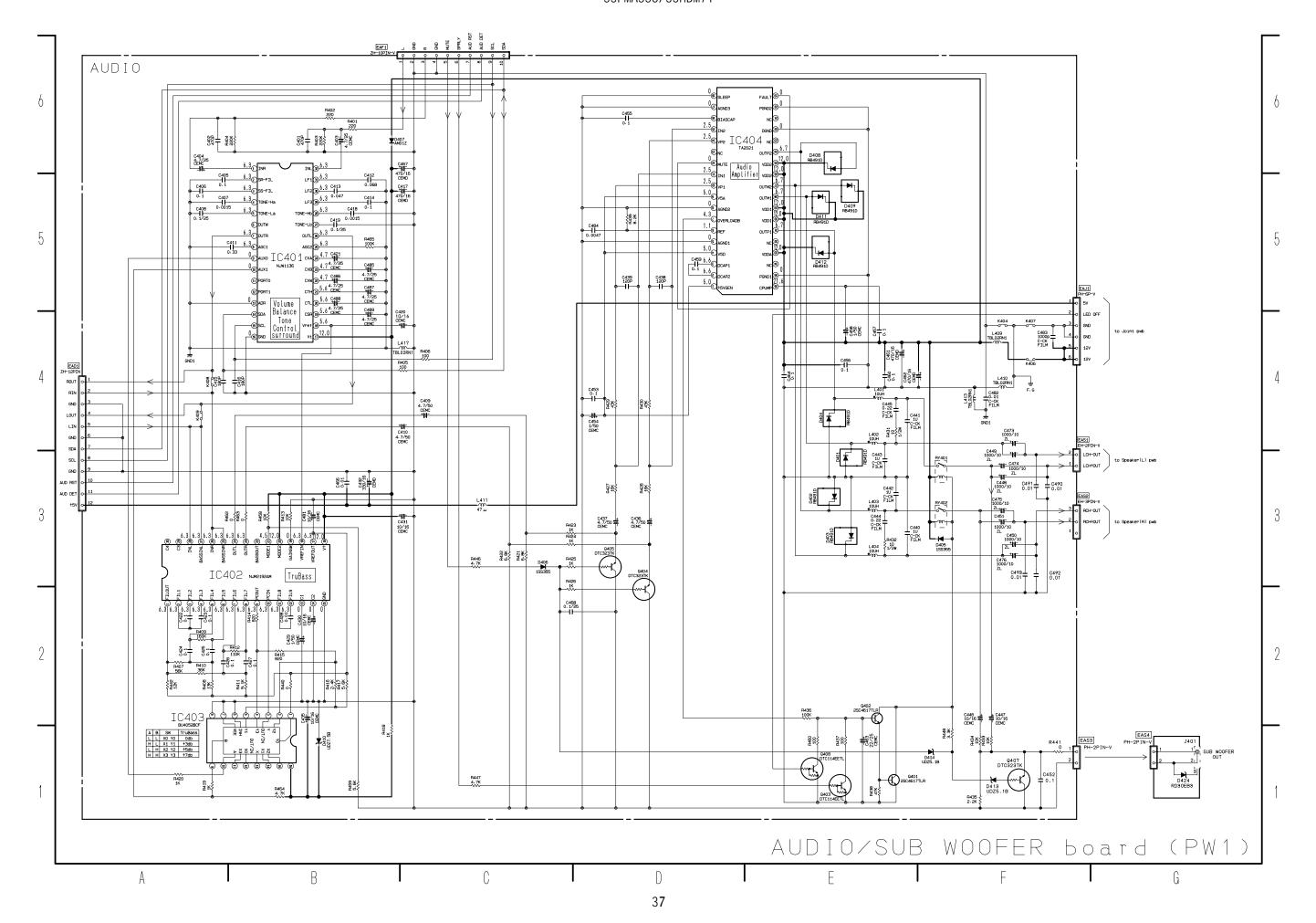


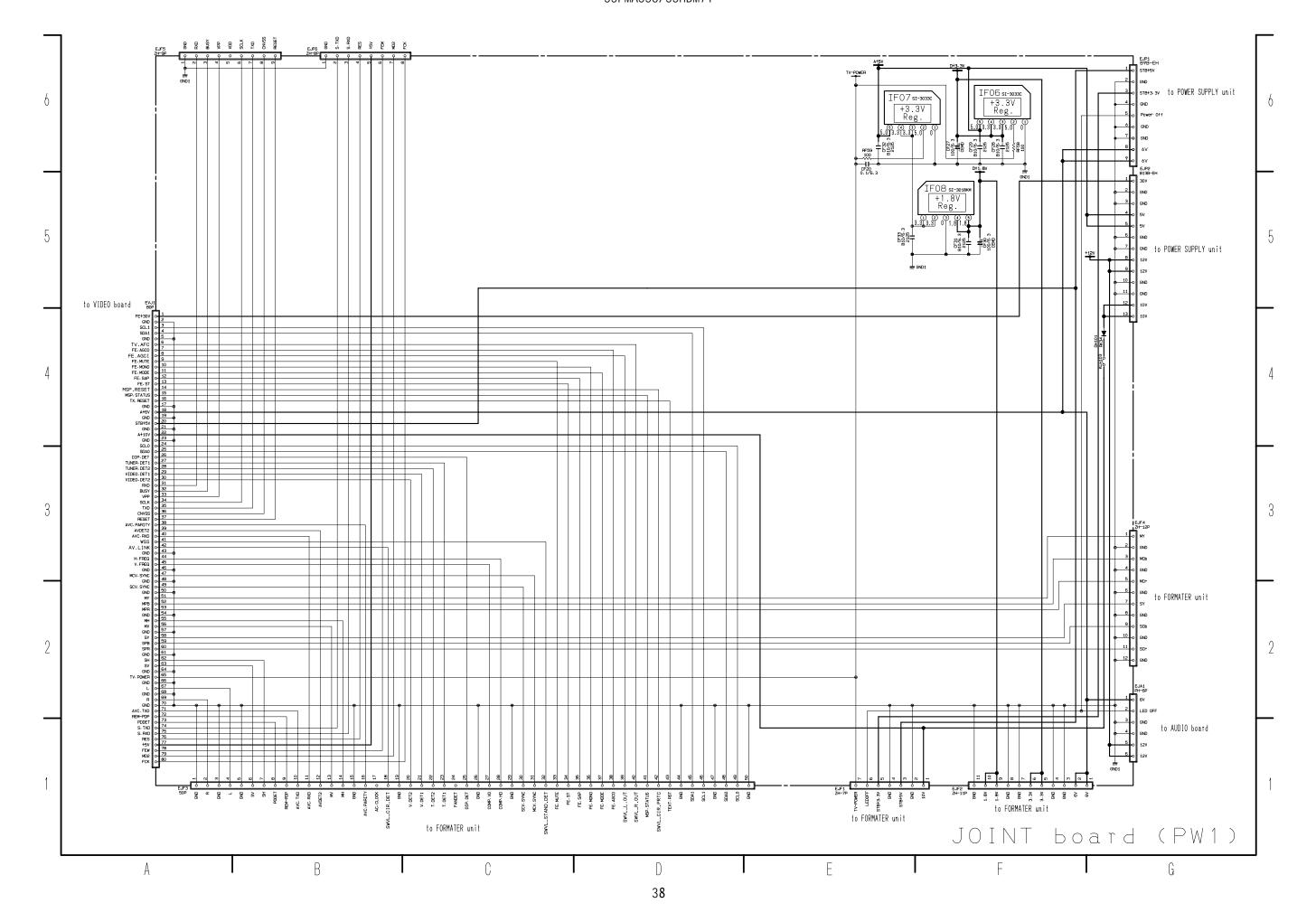
Basic circuit diagram list

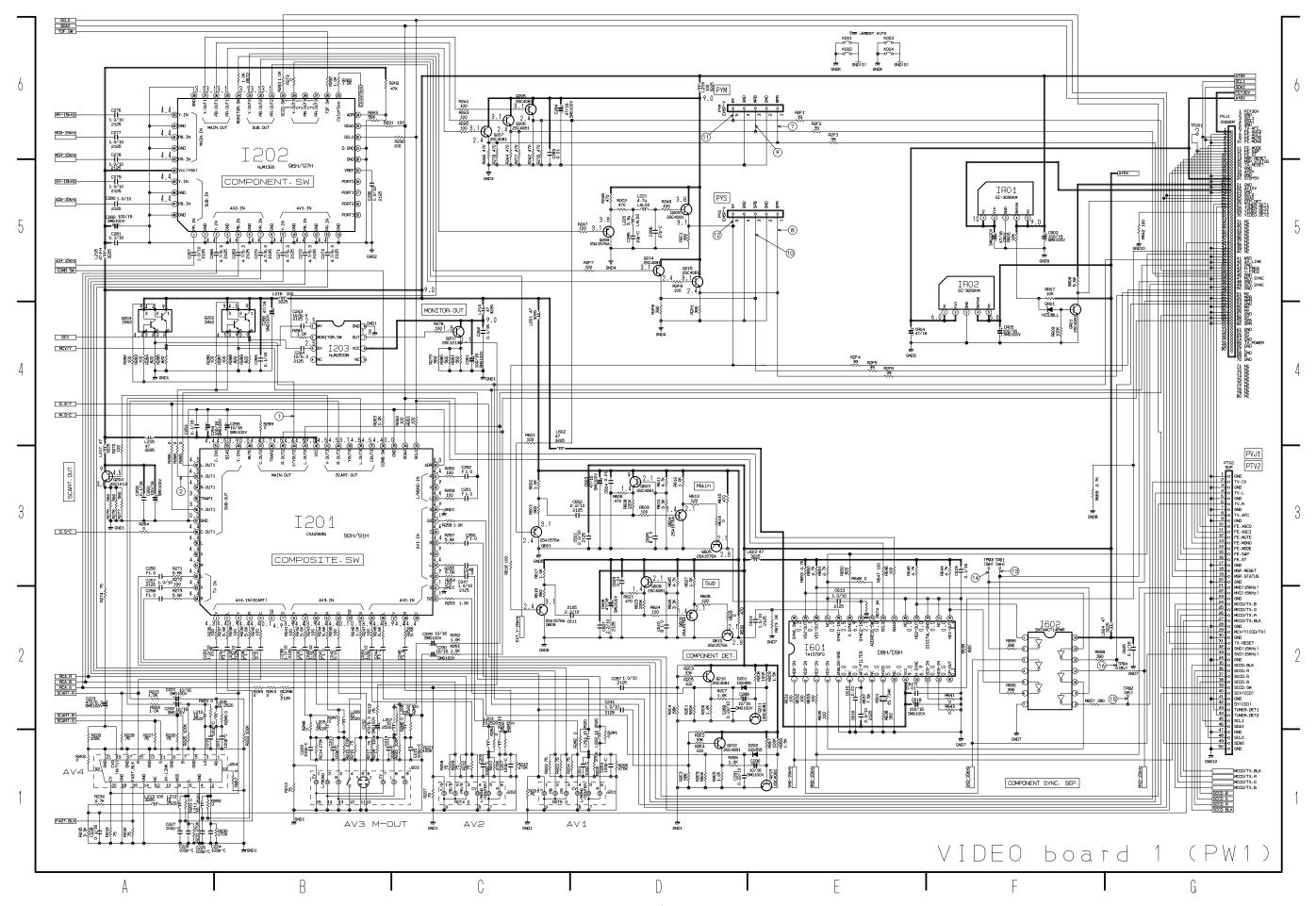
NOTE: The following pages are the schematics which are provided by the Chassis manufacturer. The Plasma panel manufacturer makes the XSUS, YSUS, LOGIC, and ABUS PWBs, so when the Plasma panel is shipped to the Chassis manufacturer, it already has those boards included. The Plasma panel manufacturer does not provide any schematics.

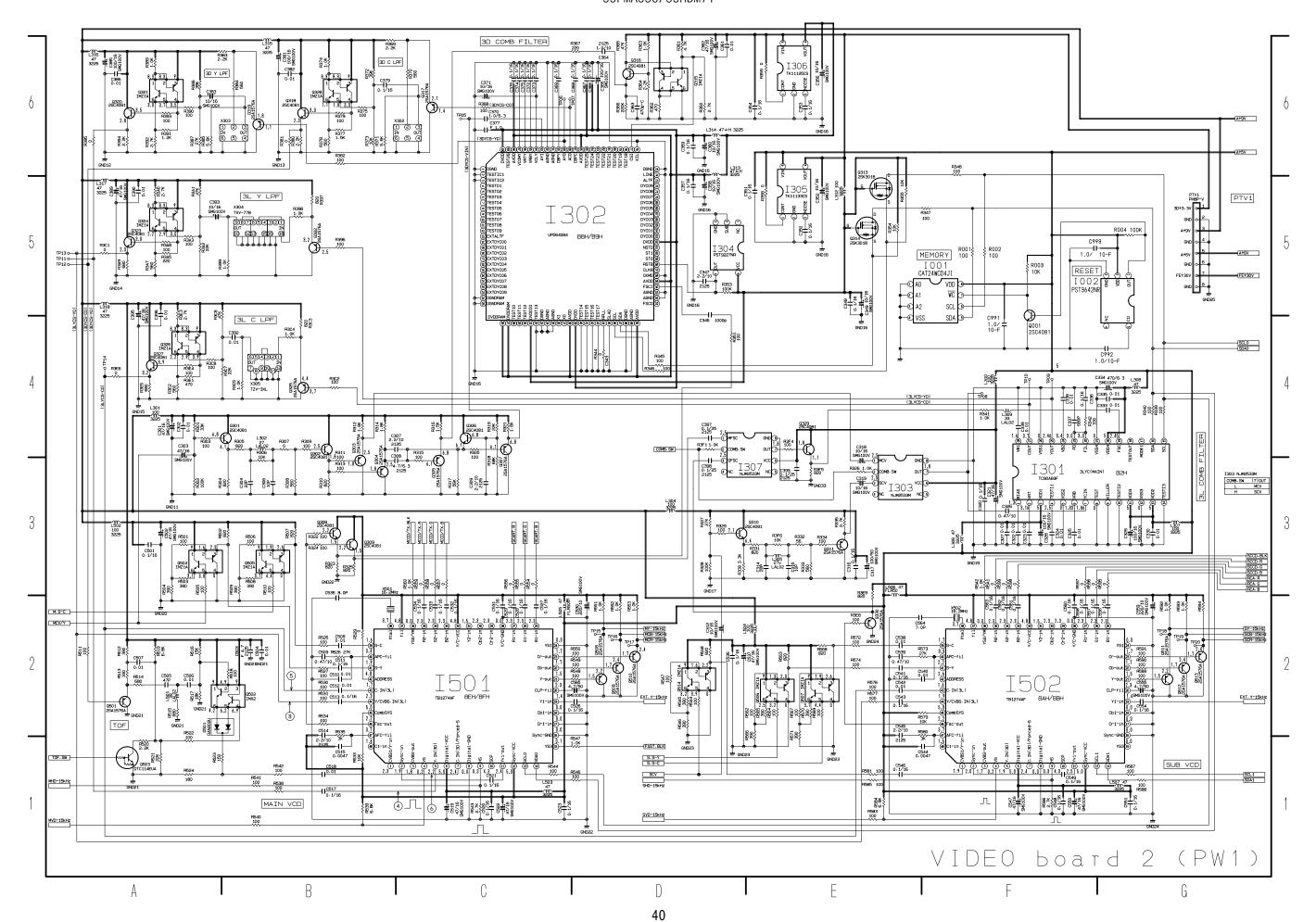
FILTER/SW/SP. TERMINAL L/SP. TERMINAL R/	
LED RECEIVER/TACT SW board	36
AUDIO/SUB WOOFER board	37
JOINT board	38
VIDEO board 1	39
VIDEO board 2	40
POWER SUPPLY board (Reference)	41

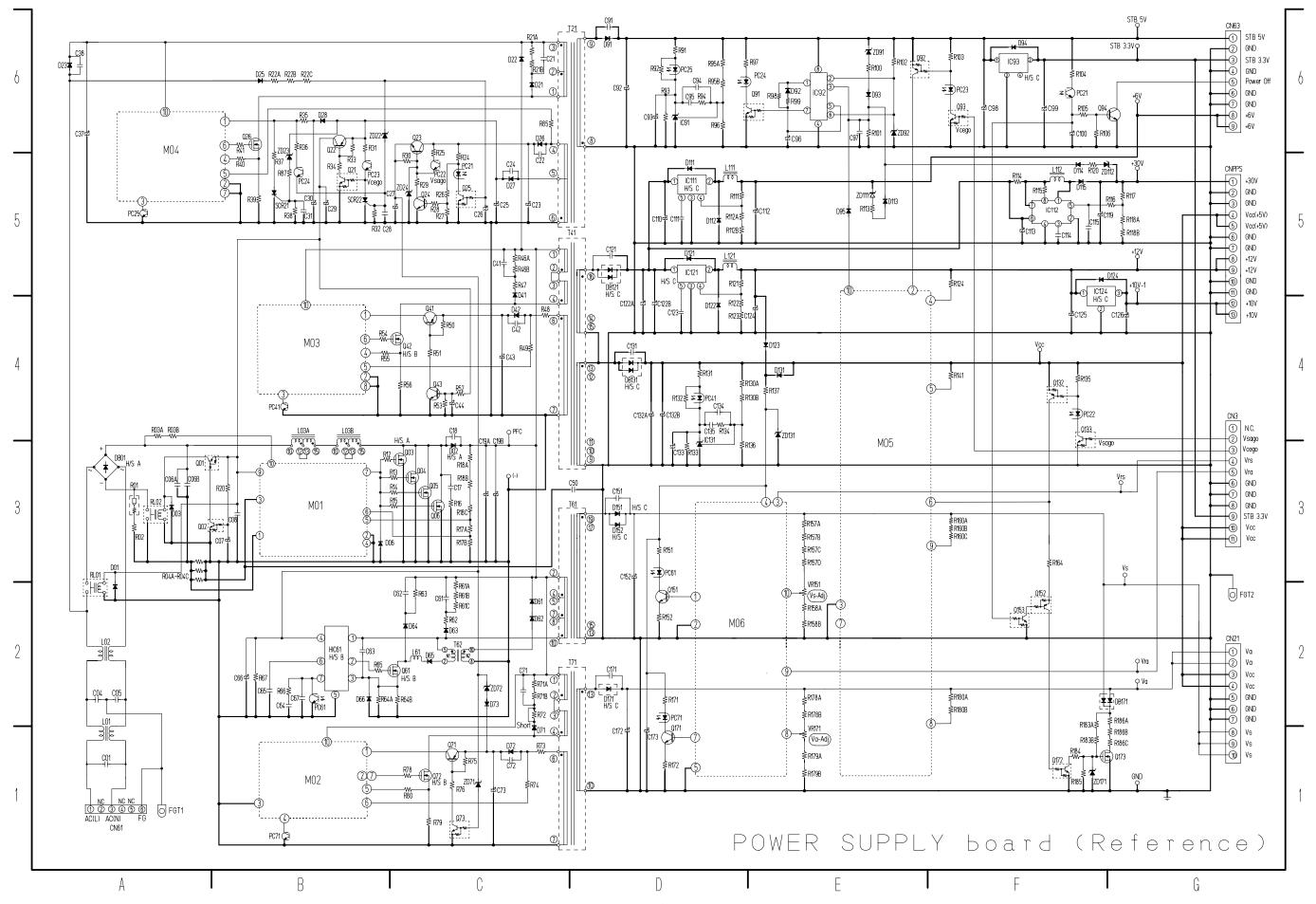






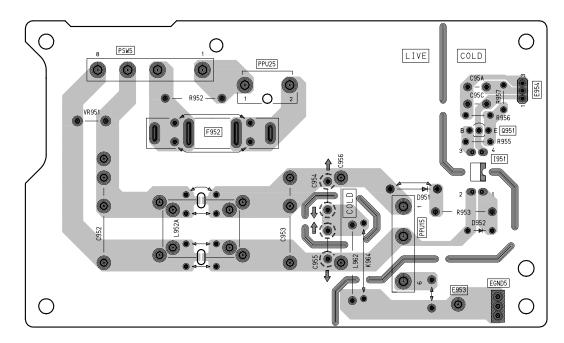




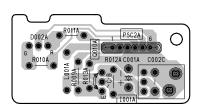


9. Printed Wiring Board (PWB) Diagrams

FILTER board



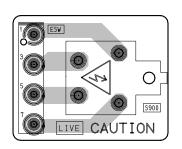
LED/RECEI VER board



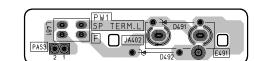
SPEAKER TERMINAL (R) board



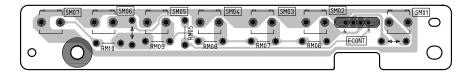
SW board



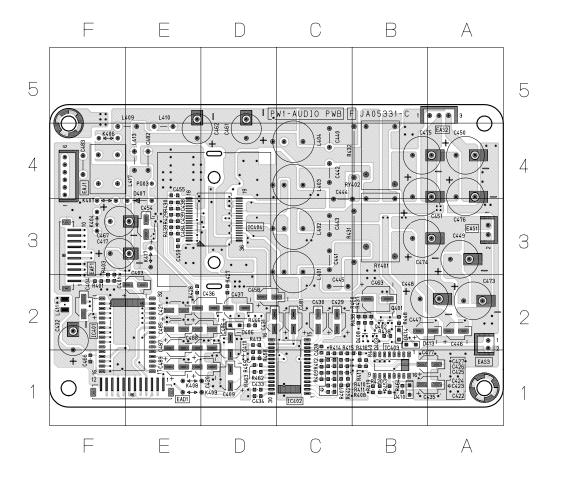
SPEAKER TERMINAL (L) board



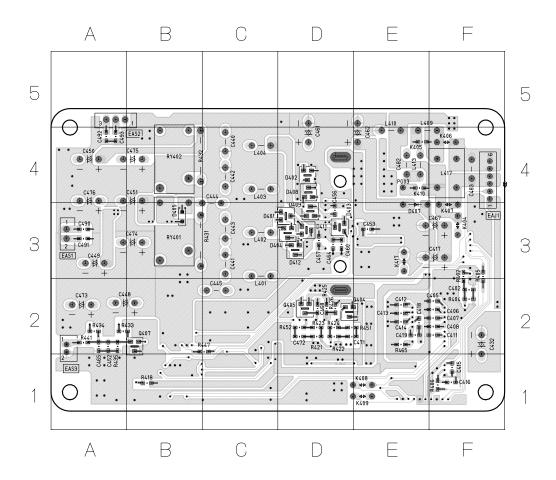
TACT SW board



AUDIO board (side-A)



AUDIO board (side-B)



Mainly chip parts reference table

Cir.No.	Position
D406	D2
D410	B1
D413	B2
D414	B2
EAD1	E1
EAF1	F3
I C401	E2
I C402	C1

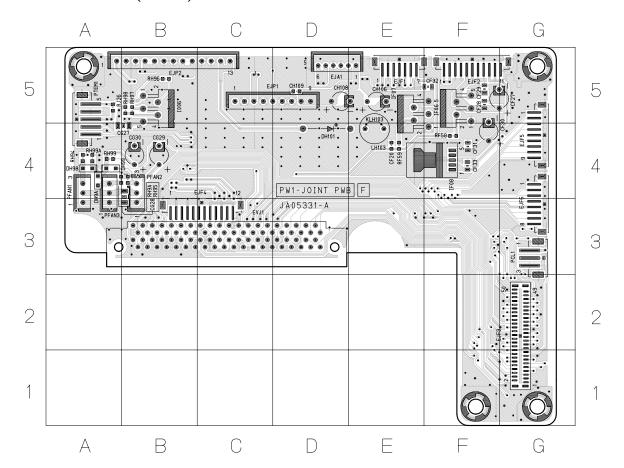
Cir. No.	Position
I C403	B1
I C404	D3
Q401	B2
Q402	B2
Q403	B2
Q408	B2

Mainly chip parts reference table

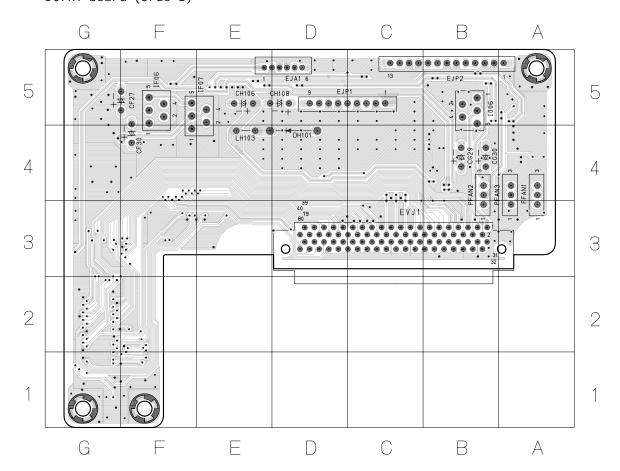
Cir.No.	Position
D401	D3
D402	D4
D403	D3
D404	D3
D405	В3
D408	D4
D409	D3
D411	D3

Cir. No.	Position
D412	D3
K405	E4
K410	E4
Q404	D2
Q405	D2
Q407	B2

JOINT board (Side-A)



JOINT board (Side-B)



Mainly chip parts reference table

Cir.No.	Position
DH98	A4
DH99	A4
EJF1	E5
EJF2	F5
EJF3	G2
EJF4	C3
EJF5	G4
EJF6	G3

Cir.No.	Position
I F08	F4
KH101	B5
KH102	A 5
LH101	D5
LH101A	D5
PCL1	G3
PTEM1	A 5

SUB WOOFER board (Side-A)



SUB WOOFER board (Si de-B)

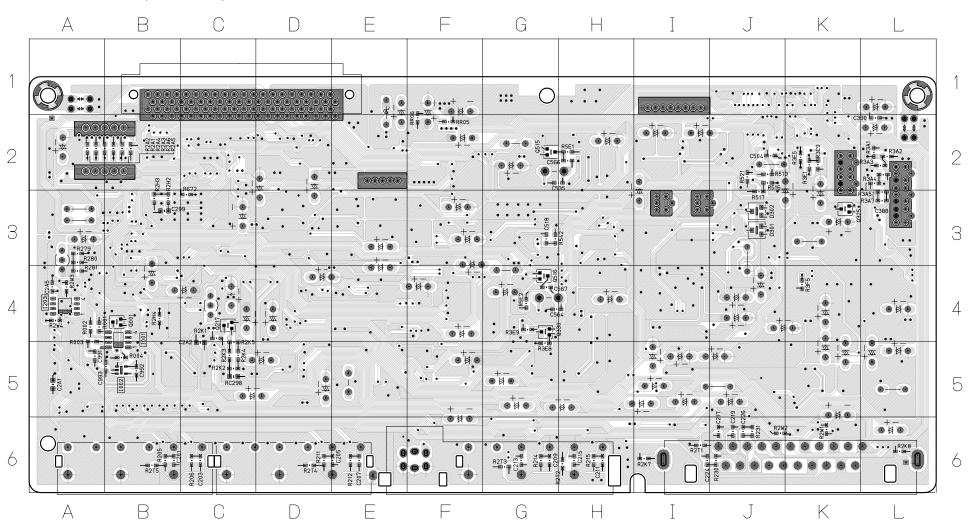


VIDEO board (side-A) L K J I H G F E D C B A 1 2 3 4 4 5 6 6 B A 6

Mainly chip parts reference table

Cir. No.	Posi ti on	Cir. No.	Posi ti on	Cir. No.	Posi ti on	Cir.No.	Posi ti on	Cir. No.	Position
D201	C5	I 603	F3	L214	A3	L315	12	0206	B2
D202	C5	I R01	G2	L215	B4	L316	12	Q207	B2
D501	J3	I R02	F2	L216	C4	L317	K1	0208	A2
I 201	B4	L201	В6	L217	C4	L318	K3	0209	A3
I 202	C3	L202	C6	L218	C3	L502	H2	Q210	D5
I 301	K4	L203	D6	L219	A2	L503	G3	Q211	C5
I 302	I 4	L204	E6	L222	A5	L504	H4	0212	D5
I 303	K4	L205	G6	L301	16	L507	G5	Q213	C5
I 304	J4	L206	H6	L304	L4	L601	C2	Q214	В3
I 305	J3	L207	G6	L306	L4	L602	D5	Q215	В3
I 306	J5	L208	H6	L307	K4	L603	E4	Q301	15
I 307	K4	L209	16	L308	L3	L604	F4	0302	J5
I 501	G3	L210	J6	L310	K4	PTV2	J1		
I 502	G4	L211	J6	L312	J3	0202	C4		
I 601	E4	L212	J6	L313	J4	Q203	D4		
I 602	F4	L213	J6	L314	J4	Q205	A2		

VIDEO board (side-B)

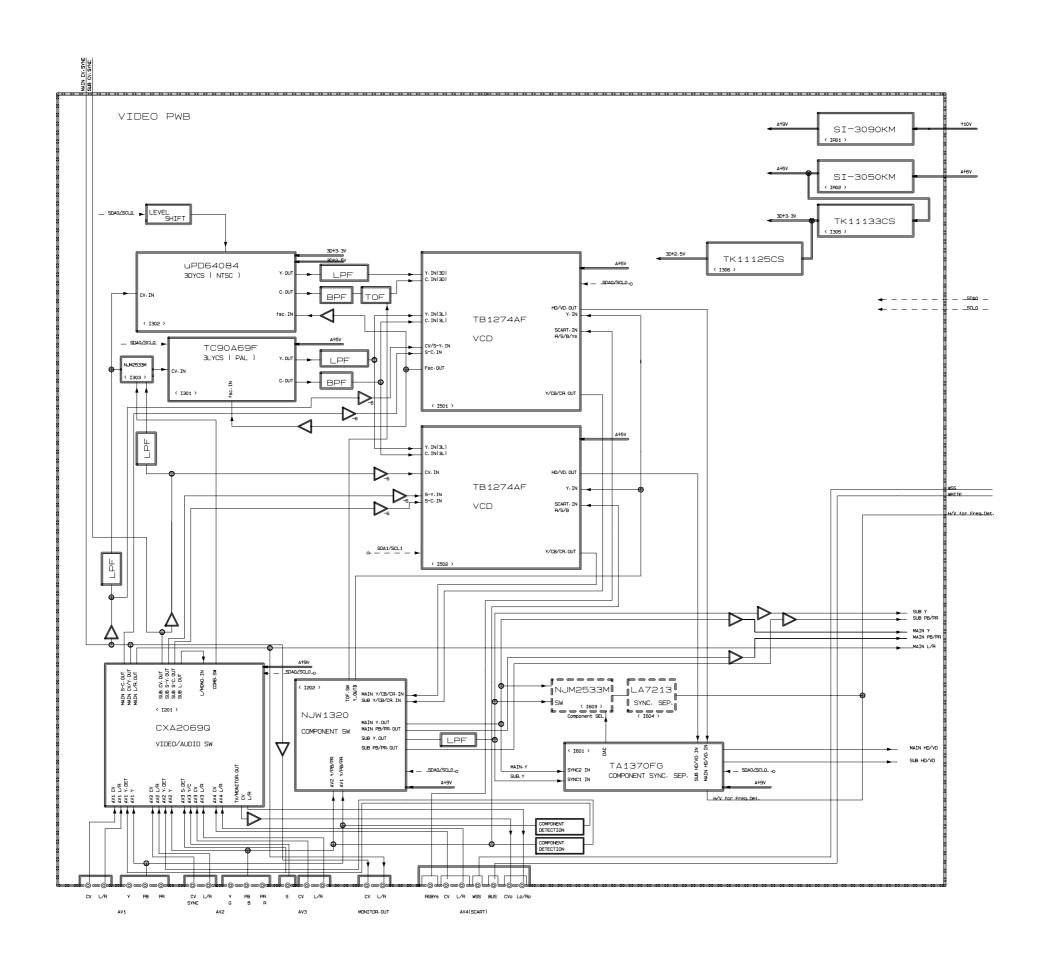


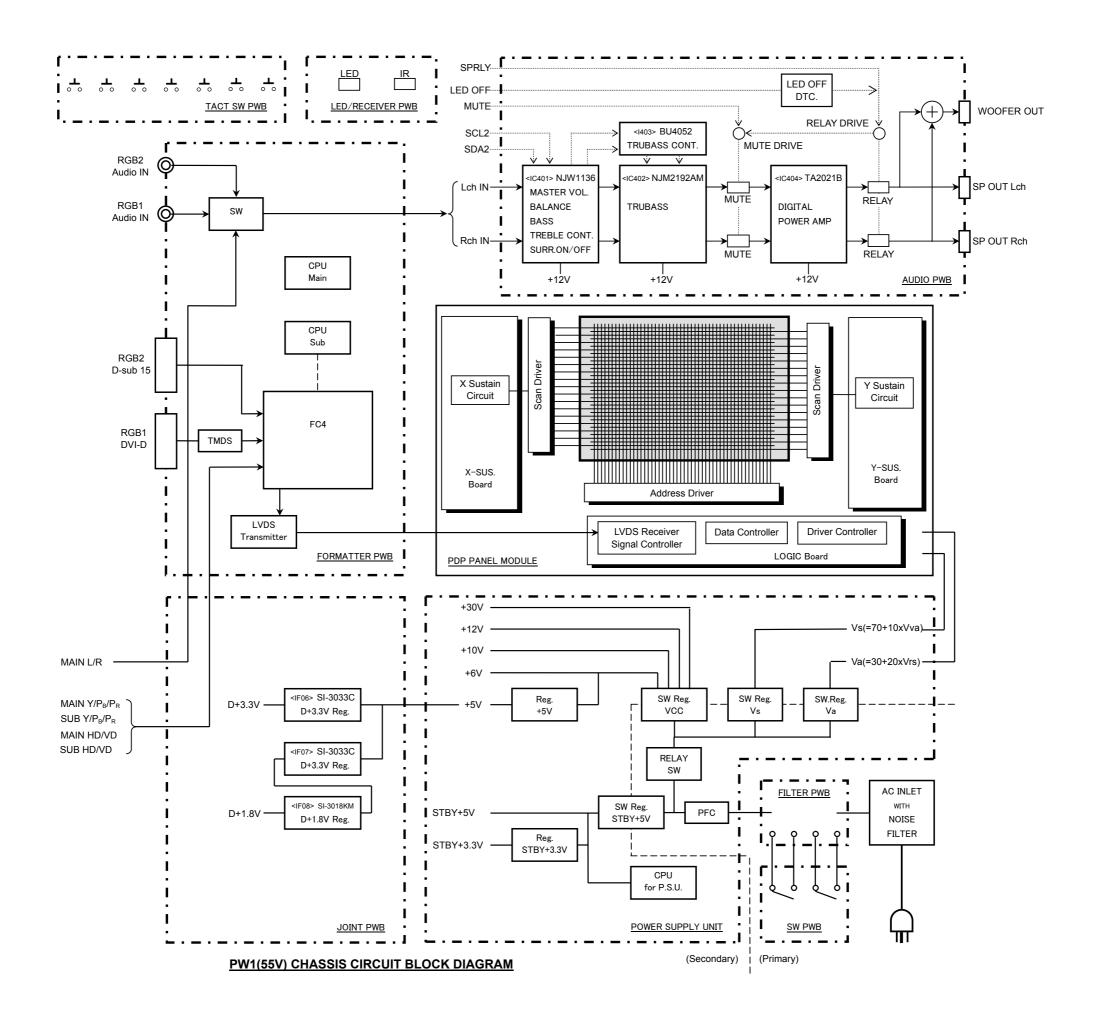
Mainly chip parts reference table

Cir.No.	Position
D301	J3
D302	J3
I 001	B4
1 002	B5
I 203	A4
Q001	В4

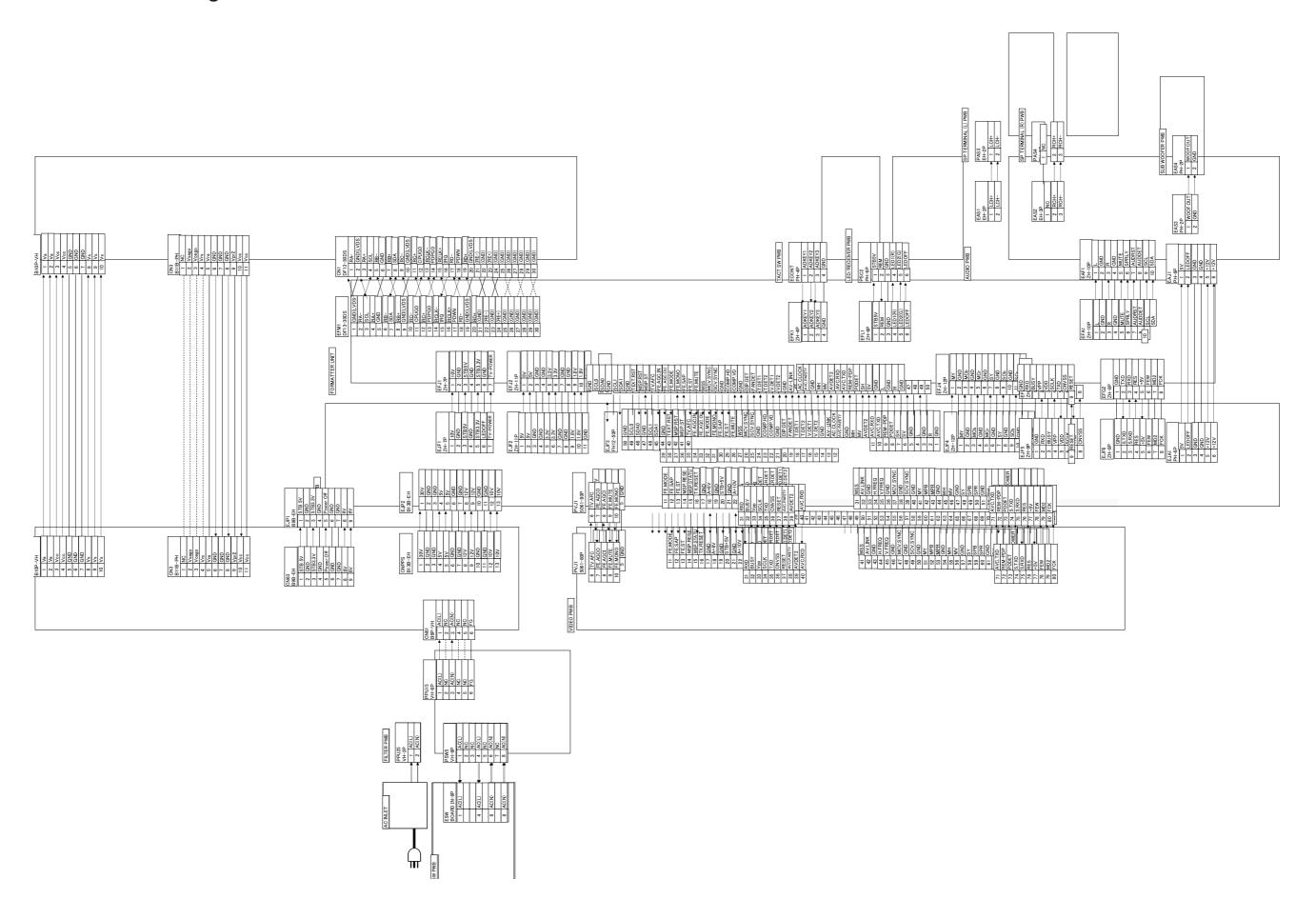
Cir.No.	Position
Q217	C4
Q325	К3
Q330	G4
Q515	G2
Q516	G4

10. Block diagram



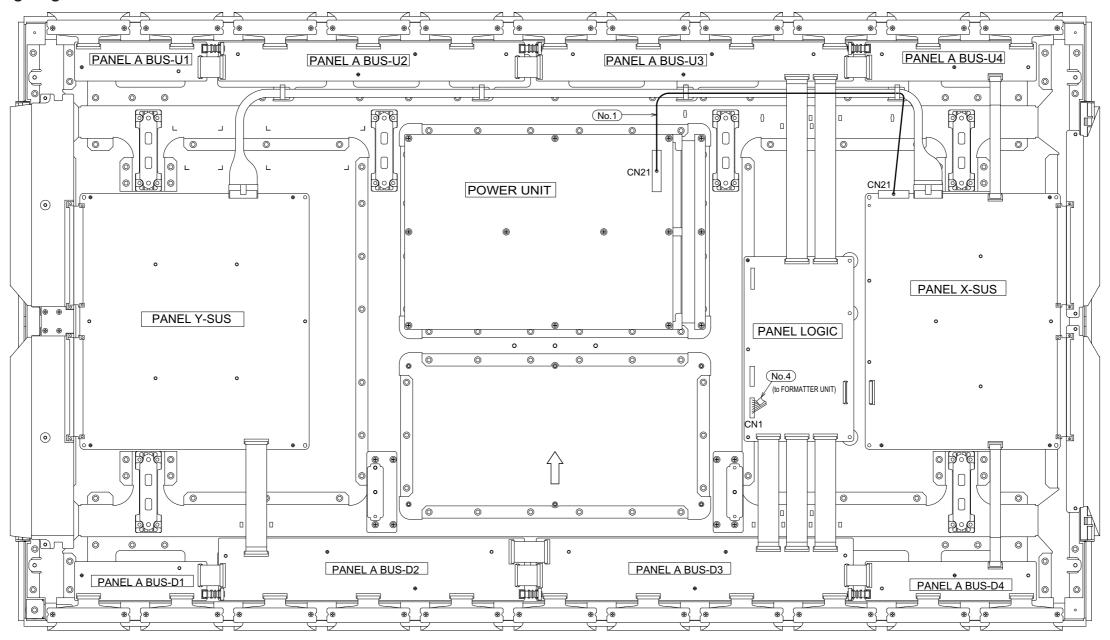


11. Connection diagram

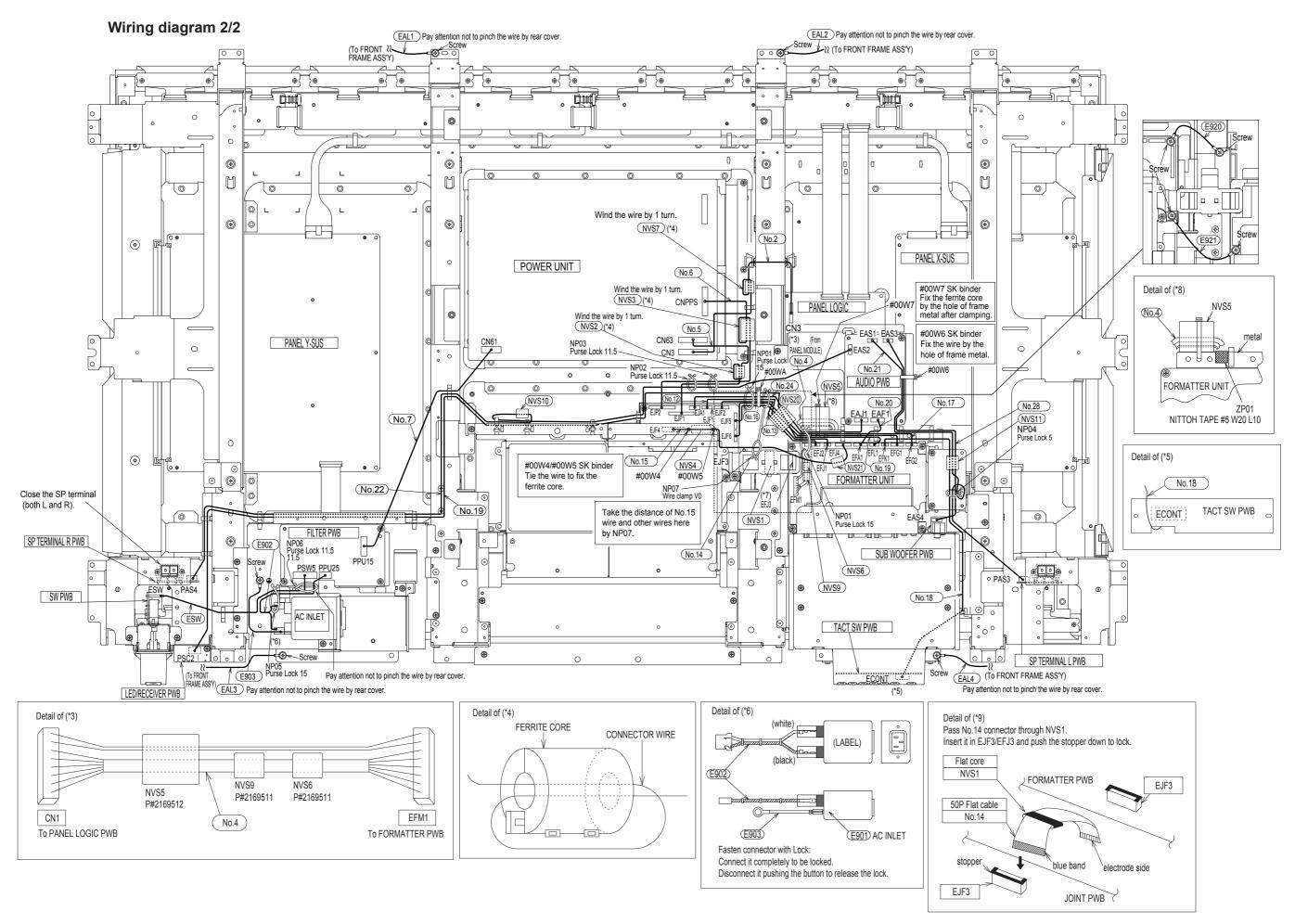


12. Wiring diagram

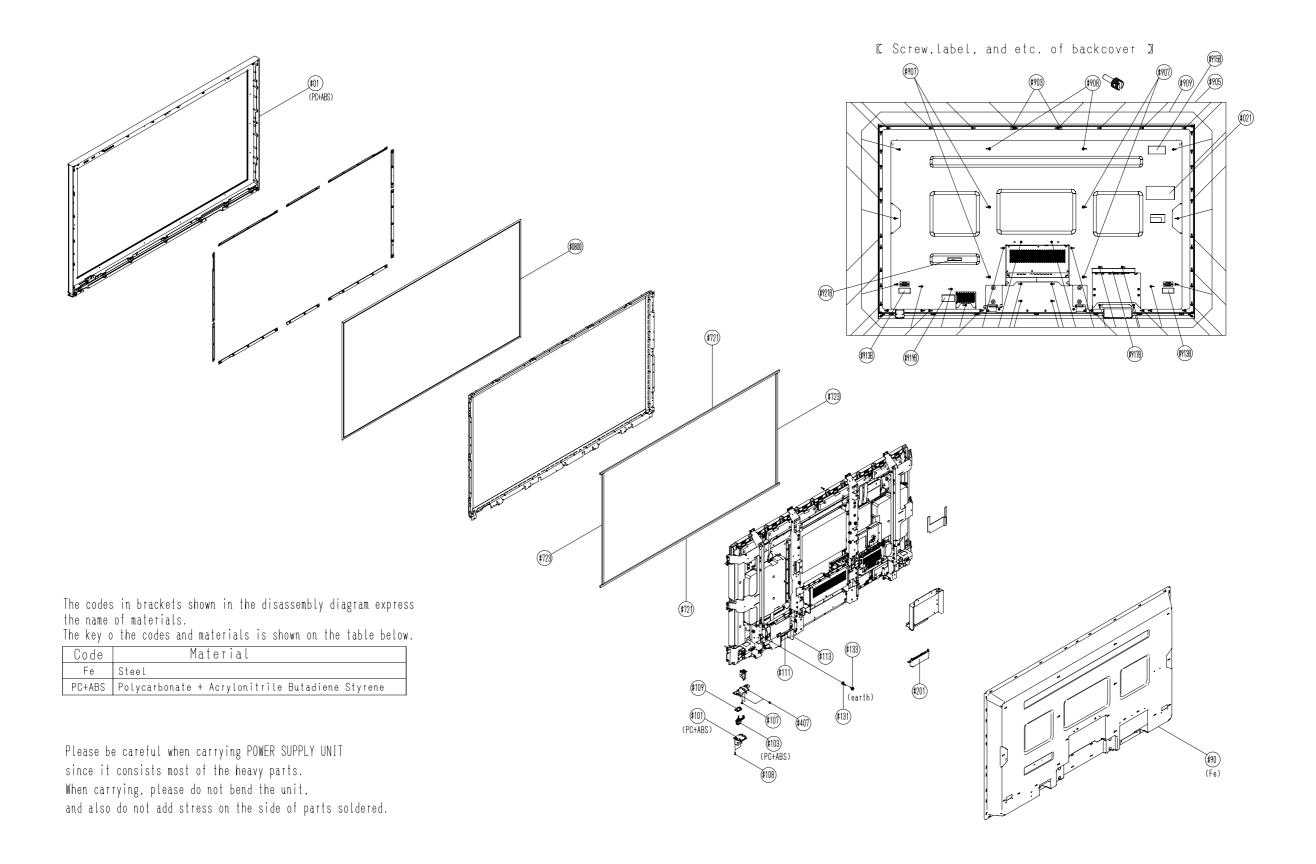
Wiring diagram 1/2

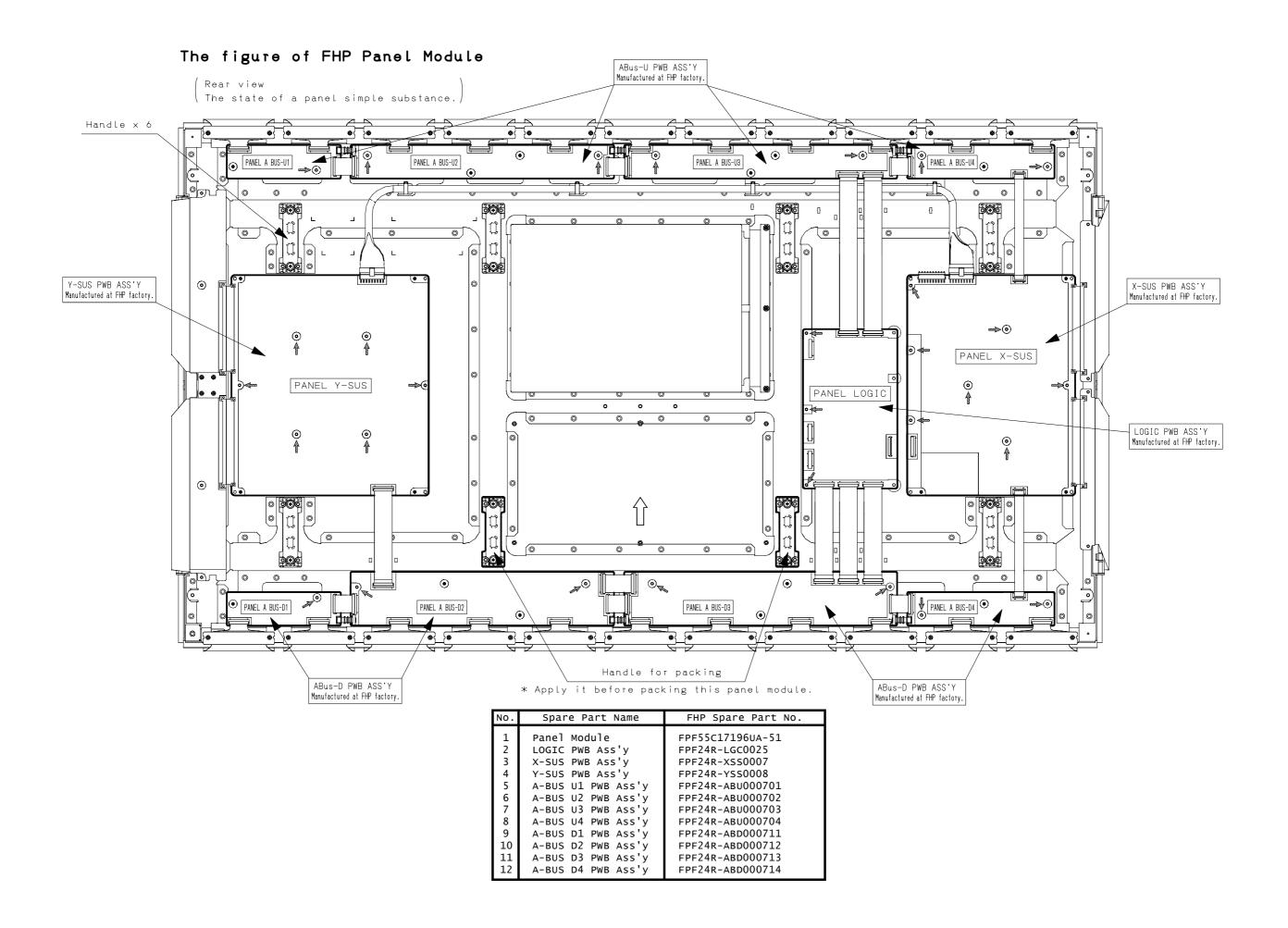


Fro	m	Connector	To	0
Connecting Point	P.W.B.	Wire	Connecting Point	P.W.B.
CN21	POWER	NO1	CN21	PANEL X-SUS
CN3	POWER	NO2	CN3	PANEL LOGIC
EFM1	FORMATTER	NO4	CN1	PANEL LOGIC
CN63	POWER	NO5	EJP1	JOINT
CNPPS	POWER	NO6	EJP2	JOINT
CN61	POWER	NO7	PPU15	FILTER
EJF1	JOINT	NO12	EFJ1	FORMATTER
EJF2	JOINT	NO13	EFJ2	FORMATTER
EJF3	JOINT	NO14	EFJ3	FORMATTER
EJF4	JOINT	NO15	EFJ4	FORMATTER
EFG1	FORMATTER	NO16	EJF5	JOINT
EFG2	FORMATTER	NO17	EJF6	JOINT
EFK1	FORMATTER	NO18	ECONT	TACT SW
EFL1	FORMATTER	NO19	PSC2	LED/RECEIVER
EFA1	FORMATTER	NO20	EAF1	AUDIO
EAS1	AUDIO	NO21	PAS3	SP TERMINAL L
EAS2	AUDIO	NO22	PAS4	SP TERMINAL R
EJA1	JOINT	NO24	EAJ1	AUDIO
EAS3	AUDIO	NO28	EAS4	SUB WOOFER
AC INLET	AC INLET	E902	PPU25	FILTER
AC INLET	AC INLET	E903	Chassis GND	Chassis GND
PSW5	FILTER	ESW	ESW	SW



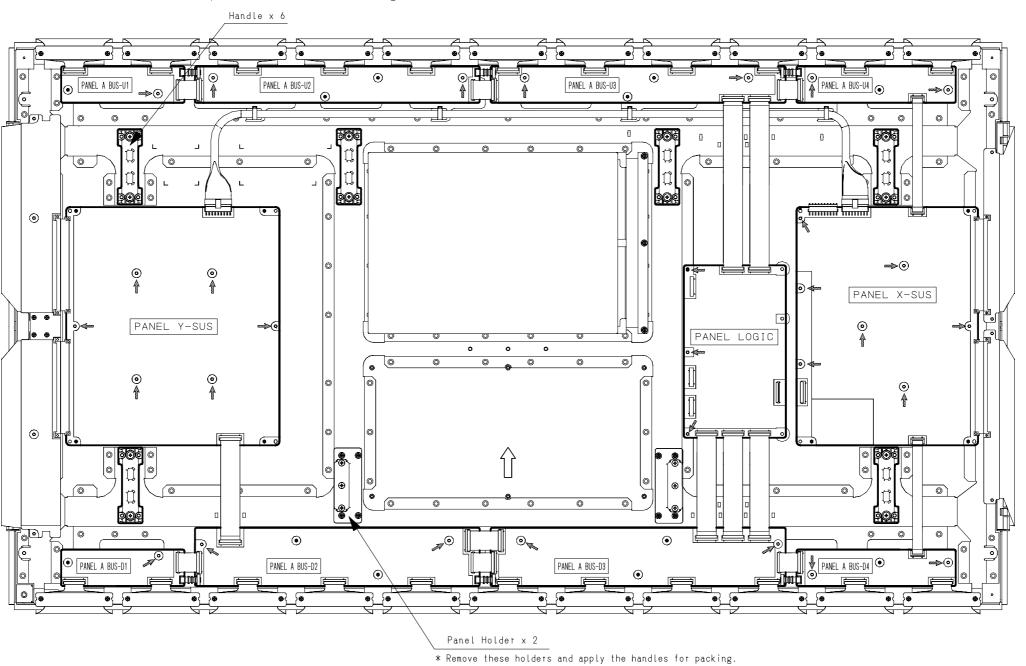
13. Disassembly diagram





Panel Module

[The assembled form in a product (before servicing)]



14. Replacement Parts list

PRODUCT SAFETY NOTE: Components marked with a \triangle have special characteristics important to safety. Before replacing any of there components,read carefully,the CAUTION FOR SAFETY of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

NOTE: This parts list is applied to the products mode in Japan.

ABBREVIATIONS	Capacitors	CD:Ceramic Disk, PF:Polyester Film, EL:Electrolytic, PP:Polypropylene,
		PR:Paper, TA:Tantalum, TM:Trimer.
	Resistors	CF:Carbon film, WW:Wire Would, FR:Fuse Resistor, MG:Metal Glazzed,
		VR:Variable resistor, CC:Carbon Composition, MF:Metal Oxide Film.
	Semiconductors	TR:Transistor, DI:Diode, ZD:Zener Diode, VA:Varistor, TH:Thermistor.

SYMBOL	PART		SYMBOL	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
#	TS05203	CABLE XSUS-YSUS	#315	4520882	SCREW M3 WITH WASHER
#	TS05204	CABLE XSUS-ABUSD4	#316	MJ02993	SCREW M3X8 3P CP-GRIP
#	TS05205	CABLE ABUSD2-ABUSD3	#317	4341291	SCREW M3X10
#	TS05206	CABLE LOGIC-ABUSD3	#405	86994102	SCREW BT BIND HEAD 3X10
#	TS05207	CABLE XSUS-LOGIC	#407	4522885	SCREW 3X8 CE CP-GRIP
#	TS05208	CABLE LOGIC-ABUSU3	#505	MJ02981	SCREW PAN HEAD M5X16 WITH WASHER
#	TS05209	CABLE ABUS-ABUS	#507	4520232	SCREW 4X16 DT
#00W7	3763752	SK BINDER	#509	4522885	SCREW 3X8 CE CP-GRIP
#00W8	3763751	SK BINDER	#513	4522885	SCREW 3X8 CE CP-GRIP
#01	QD38413	FRONT FRAME ASS'Y(BEZEL)(for 55PMA550)	#515	4522885	SCREW 3X8 CE CP-GRIP
#01	QD38414	FRONT FRAME ASS'Y(BEZEL)(for 55HDM71)	#517	4522885	SCREW 3X8 CE CP-GRIP
#01SA	86994102	SCREW BT BIND HEAD 3X10	#707	4522883	SCREW 3X6 CE KNURL
#01SB2	4525404	SCREW M3X10 T	#715	4522883	SCREW 3X6 CE KNURL
#021	QL22173	CAUTION LABEL(for 55HDM71)	#721	MN06557	AIR FILTER 10-6-670
#02SB3	4525401	SCREW M3X8	#723	MN06554	AIR FILTER 10-6-715
#035	4520881	SCREW M3X8 WITH WASHER	#801	4520233	SCREW 4X12 TNE (BLACK)
#03SB4	4518276	SCREW M3*8 DT (BLACK)	#811	4522885	SCREW 3X8 CE CP-GRIP
#03SB5	4518276	SCREW M3*8 DT (BLACK)	#90	QA03021	BACK COVER
#03WB5	88131242	WASHER	#903	3705264	CABLE CLAMP
#045	4519501	3*10 B T-SCREW (HCPT)	#905	4520233	SCREW 4X12 TNE (BLACK)
#04SC	4518276	SCREW M3*8 DT (BLACK)	#907	MJ02101	SCREW 6X12
#05V	QL23992	EXTEND LABEL V	#909	MJ03131	SCREW D3 4X10 BIND CP-GRIP
#0800	KS07223	FRONT FILTER	#911	QL23981	KEY SW LABEL
#101	PH34381	POWER BUTTON HOLDER	#913B	QL21193	SPEAKER LABEL
#103	PC06081	POWER BUTTON	#915B	QL21403	TEMP CAUTION LABEL
#107	4522885	SCREW 3X8 CE CP-GRIP	#917B	QL24702	LABEL FORMATER
#108	MJ02993	SCREW M3X8 3P CP-GRIP	#919B	QL21001	AC LABEL (for 55PMA550)
#109	PC06091	POWER BUTTON GUIDE	#919C	QL21002	AC LABEL(for 55HDM71)
#111	QA03031	INLET COVER A	#921B	QL24081	LABEL SRS
#113	QA03041	INLET COVER B	#923	4522885	SCREW 3X8 CE CP-GRIP
#115	4522885	SCREW 3X8 CE CP-GRIP	A11	JP06933	PWB ASS'Y AUDIO/JOINT
#127	MJ02993	SCREW M3X8 3P CP-GRIP	A11	JP06951	PWB ASS'Y VIDEO
#128	4522885	SCREW 3X8 CE CP-GRIP	A21	JP06944	PWB ASS'Y FILTER (for 55PMA550)
#129	4341293	SCREW M3X10 CP-GRIP	A22	JP07871	PWB ASS'Y FILTER(for 55HDM71)
#131	8815126	WASHER LOCKING 4	A31	CS00784	FORMATER UNIT HCP144 As.(for 55HDM71)
#133	MJ02722	SCREW M4X10 AL-TI CP-GRIP	A32	CS00785	FORMATER UNIT HCP145 As.(for 55PMA550)
#201	NJ09411	CONTROL BUTTON ASS'Y	C001A	0800324R	EL 100MF 6.3V
#203	86994102	SCREW BT BIND HEAD 3X10	C002A	02441712	CD 0.01MF +80-20% 50V
#213	4519503	SCREW 3X12 TAPPING	C201	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#215	MJ02993	SCREW M3X8 3P CP-GRIP	C203	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#223	MJ02993	SCREW M3X8 3P CP-GRIP	C205	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#225	MJ01193	SCREW 6 ANGLE FOR D SUB	C207	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#227	MJ02993	SCREW M3X8 3P CP-GRIP	C209	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#233	8815126	WASHER LOCKING 4	C211	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#30	MM00181	GRIP JOINT(CARTON BOX)	C213	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#305	4522885	SCREW 3X8 CE CP-GRIP	C215	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#307	MJ02993	SCREW M3X8 3P CP-GRIP	C217	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
#313	4520882	SCREW M3 WITH WASHER	C219	0893175R	CAPACITOR CHIP 1000PF +-5% 50V

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SYMBOL	PART		SYMBOL	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
C221	08002912	EL 10MF 16V	C285	0893113R	CAPACITOR CHIP 10PF +-0.25PF 50V
C222	08002912	EL 10MF 16V	C286	0893118R	CAPACITOR CHIP 27PF +-5% 50V
C223	0800351R	EL 470MF 6.3V	C287	AA00931R	CAPACITOR CHIP 1MF +-10% 10V
C224	0893175R	CAPACITOR CHIP 1000PF +-5% 50V	C288	08002912	EL 10MF 16V
C226	0893175R	CAPACITOR CHIP 1000PF +-5% 50V	C289	AA01101R	CAPACITOR CHIP 1MF +-10% 10V
C228	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C290	08002912	EL 10MF 16V
C229	08002912	EL 10MF 16V	C291	AA01101R	CAPACITOR CHIP 1MF +-10% 10V
C230	08002912	EL 10MF 16V	C296	AA00931R	CAPACITOR CHIP 1MF +-10% 10V
C231	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C2A3	AA00968R	CAPACITOR CHIP 10MF +-20% 6.3V
C232	0800351R	EL 470MF 6.3V	C2A4	AA00968R	CAPACITOR CHIP 10MF +-20% 6.3V
C233	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C301	08003172	EL 47MF 16V
C234	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C302	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C235	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C303	08003172	EL 47MF 16V
C236	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C304	0893117R	CAPACITOR CHIP 22PF +-5% 50V
C237	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C306	0893113R	CAPACITOR CHIP 10PF +-0.25PF 50V
C238	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C307	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C239	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C308	AA00966R	CAPACITOR CHIP 4.7MF +-20% 3.6V
C240	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C309	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C241	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C312	08002912	EL 10MF 16V
C242	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C314	0893117R	CAPACITOR CHIP 22PF +-5% 50V
C243	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C315	0893113R	CAPACITOR CHIP 10PF +-0.25PF 50V
C244	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C316	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C246	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C317	08003262	EL 100MF 16V
C247	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C318	08002912	EL 10MF 16V
C248	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C319	08002912	EL 10MF 16V
C250	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C320	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C251	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C321	08003172	EL 47MF 16V
C252	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C322	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C253	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C323	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C254	08003262	EL 100MF 16V	C324	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C255	08002912	EL 10MF 16V	C325	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C256	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C326	AA01121R	CAPACITOR CHIP 0.47MF +-10% 10V
C257	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C327	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C258	AA01101R	CAPACITOR CHIP 1MF +-10% 10V	C328	08003262	EL 100MF 16V
C259	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C329	08003262	EL 100MF 16V
C260	08003262	EL 100MF 16V	C330	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C261	08003262	EL 100MF 16V	C333	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C262	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C334	0800351R	EL 470MF 6.3V
C265	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C335	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C266	08003172	EL 47MF 16V	C336	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C267	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C337	0893173R	CAPACITOR CHIP 680PF +-5% 50V
C268	AA00966R	CAPACITOR CHIP 4.7MF +-20% 3.6V	C338	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C269	AA00966R	CAPACITOR CHIP 4.7MF +-20% 3.6V	C339	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C270	AA00966R	CAPACITOR CHIP 4.7MF +-20% 3.6V	C346	0893175R	CAPACITOR CHIP 1000PF +-5% 50V
C271	AA00966R	CAPACITOR CHIP 4.7MF +-20% 3.6V	C347	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C272	AA00966R	CAPACITOR CHIP 4.7MF +-20% 3.6V	C348	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C273	AA00966R	CAPACITOR CHIP 4.7MF +-20% 3.6V	C349	08002912	EL 10MF 16V
C276	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C350	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C277	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C351	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C278	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C352	08002912	EL 10MF 16V
C279	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C353	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C280	AA00931R	CAPACITOR CHIP 1MF +-10% 10V	C354	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C281	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C356	08002912	EL 10MF 16V
C282	08003262	EL 100MF 16V	C357	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C283	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C358	0800299R	EL 22MF 16V
C284	08003172	EL 47MF 16V	C359	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V

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NO. NO. NO. NO. NO. DESCRIPTION C390 08092912 Lofe 16 West 18V C424 AA01154R CAPACITOR CHIP 0.01MF +10% 50V C425 AA01154R CAPACITOR CHIP 0.1 MF +10% 20V C426 AA01154R CAPACITOR CHIP 0.1 MF +10% 20V C426 AA01154R CAPACITOR CHIP 0.1 MF +10% 20V C427 AA01154R CAPACITOR CHIP 0.1 MF +10% 20V C428 AA01154R CAPACITOR CHIP 0.1 MF +10% 20V C429 AA01154R CAPACITOR CHIP 0.1 MF +10% 10V C429 AA01154R CAPACITOR CHIP 0.1 MF +10% 10V C439 A00478R EL CHIP 10MF 16V C431 A00438R EL CHIP 10MF 16V C432 A004378R EL CHIP 10MF 16V C433 A00438R EL CHIP 10MF 16V C435 A00438R EL CHIP 10MF 16V C435 A00438R EL CHIP 10MF 16V C435 A00438R EL CHIP 14MF 50V C436 A004378R EL CHIP 14MF 50V C438 A004378R EL CHIP 14MF 50V C438 A004378R	SYMBOL	PART		SYMBOL	PART	
C381 08002912			DESCRIPTION			DESCRIPTION
Case						
Case						
Case						
CASPA_CITIOR_CHIP_TIME +-10%_10V						
Case B803178R CaPACITOR CHIP 0.1MF +-10% 16V Ca39 AB00478R EL CHIP 1.MF 50V CaPACITOR CHIP 0.1MF +-10% 16V Ca31 AD00438R EL CHIP 1.0MF 16V Ca98 B83179R CAPACITOR CHIP 0.1MF +-10% 16V Ca32 AD00438R EL CHIP 1.0MF 16V Ca98 CAPACITOR CHIP 0.1MF +-10% 16V Ca35 AD00438R CaPACITOR CHIP 0.1MF +-10% 16V Ca35 AD00438R CaPACITOR CHIP 0.1MF +-10% 16V Ca37 AD00438R CaPACITOR CHIP 0.1MF +-10% 16V Ca37 AD004378R CaPACITOR CHIP 0.1MF +-10% 16V Ca39 CaPACITOR CHIP 0.1MF +-10% 16V Ca40 Ca40 CaPACITOR CHIP 0.1						
Cabe						
Case						
Case Gesid178P						
Ca96						
C370 AA01111E CAPACITOR CHIP 1MF +10% 6.3V C436 AD00478R EL CHIP 4.7MF 50V C371 0803179R CAPACITOR CHIP 0.1MF +10% 16V C438 0893127R CAPACITOR CHIP 0.1MF +10% 16V C439 0893127R CAPACITOR CHIP 10.1MF +10% 16V C439 0893127R CAPACITOR CHIP 10.1MF +10% 16V C439 0893127R CAPACITOR CHIP 10.1MF +10% 16V C440 0880207R CAPACITOR CHIP 10.1MF +10% 16V C441 0880207R PF 1MF +5% 50V						
C371 08002812 EL 10MF 16V C437 AD00478R EL CHIP 4.7MF 50V C438 083179R CAPACITOR CHIP 0.1MF +10% 16V C439 0839127R CAPACITOR CHIP 0.1MF +10% 16V C440 0880207R P 1 MF +-5% 50V P C474 0880207R P 1 MF +-5% 50V P P 1 MF +-5% 50V P C474 0880207R P 1 MF +-5% 50V P P 1 MF +-10% 25V P P 1 MF +-						
C372 0893179R CAPACITOR CHIP 0.1MF +-10% 16V C439 0893127R CAPACITOR CHIP 0.1MF +-10% 16V C439 0893127R CAPACITOR CHIP 0.1MF +-10% 16V C440 0880207R PF 1MF +-5% 50V CAPACITOR CHIP 0.1MF +-10% 16V C441 0880207R PF 1MF +-5% 50V PF 1MF						
C373 0893179R CAPACITOR CHIP 0.1MF +-10% 16V C440 0800207R P1 MF +-5% 50V CAPACITOR CHIP 0.1MF +-10% 16V C441 0880207R P7 MF +-5% 50V P7 MF +-5% 50V C447 0880207R P6 MF +-5% 50V C447 C448						
C374 0833179R CAPACITOR CHIP 0.1MF +-10% 16V C440 0880207R PF 1MF +-5% 50V C376 0833179R CAPACITOR CHIP 0.1MF +-10% 16V C441 0880207R PF 1MF +-5% 50V C377 AA01101R CAPACITOR CHIP 1.1MF +-10% 16V C442 0880207R PF 1MF +-5% 50V C379 0833179R CAPACITOR CHIP 0.1MF +-10% 16V C444 08800182 PF 2.2MF +-10% 50V C381 0803222R CAPACITOR CHIP 0.1MF +-10% 50V C446 08800182 PF 0.22MF +-10% 50V C383 080032912 EL 10MF 16V C446 0800368 PF 0.22MF +-10% 50V C386 0803222R CAPACITOR CHIP 0.01MF +-10% 50V C446 0800359R EL 100MF 16V C390 0803222R CAPACITOR CHIP 0.01MF +-10% 50V C450 0800359R EL 100MF 16V C392 0832222R CAPACITOR CHIP 0.01MF +-10% 50V C451 0800359R EL 1000MF 10V C393 0803222R CAPACITOR CHIP 0.01MF +-10% 50V C452 0803178 CAPACITOR CHIP 0.1MF +-10% 50V C393 0803222R CAPACITOR CH						
C375 0833179R CAPACITOR CHIP 0.1MF +-10% 16V C441 0880207R PF 1MF +-5% 50V C377 A01101R CAPACITOR CHIP 0.1MF +-10% 16V C443 0880207R PF 1MF +-5% 50V C379 0833179R CAPACITOR CHIP 0.1MF +-10% 16V C444 08800182 PF 1MF +-5% 50V C381 08003262 L 100MF 16V C445 08800182 PF 0.22MF +-10% 50V C382 0830222R CAPACITOR CHIP 0.01MF +-10% 50V C446 AD00436R EL CHIP 10MF 16V C385 08003262 EL 100MF 16V C447 AD00436R EL CHIP 10MF 16V C386 08032222 CAPACITOR CHIP 0.01MF +-10% 50V C449 0800359R EL 1000MF 10V C389 08003172 EL 47MF 16V C450 080359R EL 1000MF 10V C392 0833222R CAPACITOR CHIP 0.01MF +-10% 50V C451 0800359R EL 1000MF 10V C393 08003172 EL 47MF 16V C453 AA01814R CAPACITOR CHIP 0.1MF +-10% 50V C393 08003172 EL 10MF 16V C453 AA01814R						
C376 0893179R CAPACITOR CHIP 0.1MF +-10% 16V C442 0880207R PF 1MF +-5% 50V C377 AA01101R CAPACITOR CHIP 0.1MF +-10% 16V C444 08800182 PF 1MF +-5% 50V C381 08032282 CAPACITOR CHIP 0.1MF +-10% 50V C444 08800182 PF 0.22MF +-10% 50V C382 0803222R CAPACITOR CHIP 0.01MF +-10% 50V C446 A000436R EL CHIP 10MF 16V C386 0803222R CAPACITOR CHIP 0.01MF +-10% 50V C447 A000436R EL CHIP 10MF 16V C386 0803222R CAPACITOR CHIP 0.01MF +-10% 50V C449 0800359R EL 1000MF 10V C389 0803222R CAPACITOR CHIP 0.01MF +-10% 50V C450 0800359R EL 1000MF 10V C392 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C451 0800359R EL 1000MF 10V C393 08002912 EL 10MF 16V C453 0800359R EL 1000MF 10V C393 08002912 EL 10MF 16V C453 0800359R EL 1000MF 10V C393 08002912 EL 10MF 16V C453						
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C379 0893178P. CAPACITOR CHIP 0.1MF +-10% 16V C444 08800182 PF 0.22MF +-10% 50V C381 08003262 EL 100MF 16V C445 08800182 PF 0.22MF +-10% 50V C383 08002912 EL 100MF 16V C447 AD00436R EL CHIP 10MF 16V C385 08003282 EL 100MF 16V C448 AD00436R EL CHIP 10MF 16V C386 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C449 0800359R EL 1000MF 10V C390 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C451 0800359R EL 1000MF 10V C393 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C452 0893179R CAPACITOR CHIP 0.1MF +-10% 10V C393 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C453 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C396 0893222R CAPACITOR CHIP 0.1MF +-10% 25V C455 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C396 0893027R CAPACITOR CHIP 0.1MF +-10% 25V C456 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C399 0893037R <						
C381 080032622 EL 100MF 16V C445 08800182 PF 0.22MF +-10% 50V C383 08002912 EL 10MF 16V C447 AD00436R EL CHIP 10MF 16V C385 08003262 EL 10MF 16V C448 0800359R EL 1000MF 16V C386 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C449 0800359R EL 1000MF 10V C389 08003172 EL 47MF 16V C450 0800359R EL 1000MF 10V C392 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C451 0800359R EL 1000MF 10V C393 080322P2 CAPACITOR CHIP 0.01MF +-10% 50V C452 0893117E EL 47MF 16V C453 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C396 080322P2 CAPACITOR CHIP 0.1MF +-10% 25V C455 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C397 0893027R CAPACITOR CHIP 0.1MF +-10% 25V C456 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C409 0893027R CAPACITOR CHIP 0.1MF +-10% 25V C458 AD04478R EL CHIP 1.4MF 25V C401						
C382 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C446 AD00436R EL CHIP 10MF 16V C385 08003262 EL 100MF 16V C447 AD00436R EL CHIP 10MF 16V C386 08903222R CAPACITOR CHIP 0.01MF +-10% 50V C449 0800359R EL 1000MF 10V C389 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C451 0800359R EL 1000MF 10V C392 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C451 0800359R EL 1000MF 10V C393 0893222R CAPACITOR CHIP 0.01MF +-10% 50V C452 0893179R CAPACITOR CHIP 0.1MF +-10% 25V C393 08003172 EL 47MF 16V C454 AD00475R EL CHIP 11MF 50V C396 0893027R CAPACITOR CHIP 0.1MF +-10% 25V C455 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C396 0893027R CAPACITOR CHIP 0.1MF +-10% 25V C456 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C401 0893135R CAPACITOR CHIP 0.1MF +-10% 25V C458 AD04478R C4APACITOR CHIP 0.1MF +-10% 25V C402 0893135R						
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C401 0893135R CAPACITOR CHIP 470PF +-5% 50V C459 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C402 0893135R CAPACITOR CHIP 470PF +-5% 50V C460 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C461 0800353R EL 470MF 16V C462 0800353R EL 470MF 16V C465 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C462 0800353R EL 470MF 16V C466 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C463 AD00449R EL CHIP 2.2MF 25V C466 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C466 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C466 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C466 AA01802R CAPACITOR CHIP 0.1MF +-10% 25V C467 0800353R EL 470MF 16V CAPACITOR CHIP 0.1MF +-10% 25V C468 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C466 AA01802R CAPACITOR CHIP 0.1MF +-10% 25V C467 0800353R EL 470MF 16V CAPACITOR CHIP 0.1MF +-10% 25V C467 0800353R EL 470MF 16V CAPACITOR CHIP 0.1MF +-10% 25V C473 0800359R EL 1000MF 10V C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01814R CAPACITOR CHIP 0.068MF +-10% 25V C475 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C476 0800359R EL 1000MF 10V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C481 AD00436R EL CHIP 10MF 16V C481 0890359R EL 470MF 16V C481 0890359	C398	0893027R	CAPACITOR CHIP 0.1MF +-10% 25V	C457	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V
C402	C399	0893027R	CAPACITOR CHIP 0.1MF +-10% 25V	C458	AD00475R	EL CHIP 1MF 50V
C403 AD00447R EL CHIP 4.7MF 25V C461 0800353R EL 470MF 16V C404 AD00447R EL CHIP 4.7MF 25V C462 0800353R EL 470MF 16V C405 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C463 AD00449R EL CHIP 22MF 25V C406 AA01814R CAPACITOR CHIP 1500PF +-10% 50V C464 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C408 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C466 AA01802R CAPACITOR CHIP 0.01MF +-10% 50V C409 AD00478R EL CHIP 4.7MF 50V C468 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C473 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.068MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01814R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C412 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C476 0800359R EL 1000MF 10V C413 A0801814R CAPACITOR CHI	C401	0893135R	CAPACITOR CHIP 470PF +-5% 50V	C459	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V
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C405 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C463 AD00449R EL CHIP 22MF 25V C406 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C464 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C407 0893211R CAPACITOR CHIP 1500PF +-10% 50V C466 AA01802R CAPACITOR CHIP 0.01MF +-10% 50V C408 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C467 0800353R EL 470MF 16V C409 AD00478R EL CHIP 4.7MF 50V C468 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C410 AD00478R EL CHIP 4.7MF 50V C473 0800359R EL 1000MF 10V C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.068MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01814R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 180PF +-5% 50V C481 AD00436R EL CHIP 10MF 16V C415 0893129R <t< td=""><td>C403</td><td>AD00447R</td><td>EL CHIP 4.7MF 25V</td><td>C461</td><td>0800353R</td><td>EL 470MF 16V</td></t<>	C403	AD00447R	EL CHIP 4.7MF 25V	C461	0800353R	EL 470MF 16V
C406 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C464 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C407 0893211R CAPACITOR CHIP 1500PF +-10% 50V C466 AA01802R CAPACITOR CHIP 0.01MF +-10% 50V C408 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C467 0800353R EL 470MF 16V C409 AD00478R EL CHIP 4.7MF 50V C468 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C410 AD00478R EL CHIP 4.7MF 50V C473 0800359R EL 1000MF 10V C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.068MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01812R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C481 AD00436R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 0.1MF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R	C404	AD00447R	EL CHIP 4.7MF 25V	C462	0800353R	EL 470MF 16V
C407 0893211R CAPACITOR CHIP 1500PF +-10% 50V C466 AA01802R CAPACITOR CHIP 0.01MF +-10% 50V C408 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C467 0800353R EL 470MF 16V C409 AD00478R EL CHIP 4.7MF 50V C468 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C410 AD00478R EL CHIP 4.7MF 50V C473 0800359R EL 1000MF 10V C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.047MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01812R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C476 0800359R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C481 AD00436R EL CHIP 10MF 16V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C418 0893217R CAPACITOR	C405	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V	C463	AD00449R	EL CHIP 22MF 25V
C408 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C467 0800353R EL 470MF 16V C409 AD00478R EL CHIP 4.7MF 50V C468 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C410 AD00478R EL CHIP 4.7MF 50V C473 0800359R EL 1000MF 10V C411 AA01134R CAPACITOR CHIP 0.03MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.047MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01814R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C476 0800359R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C481 AD00436R EL CHIP 10MF 16V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 10MF 16V	C406	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V	C464	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V
C409 AD00478R EL CHIP 4.7MF 50V C468 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C410 AD00478R EL CHIP 4.7MF 50V C473 0800359R EL 1000MF 10V C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.047MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01812R CAPACITOR CHIP 0.1MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C481 AD00436R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 10MF 16V	C407	0893211R	CAPACITOR CHIP 1500PF +-10% 50V	C466	AA01802R	CAPACITOR CHIP 0.01MF +-10% 50V
C410 AD00478R EL CHIP 4.7MF 50V C473 0800359R EL 1000MF 10V C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.068MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01812R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C481 AD00436R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 10MF 16V C486 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V <td< td=""><td>C408</td><td>AA01814R</td><td>CAPACITOR CHIP 0.1MF +-10% 25V</td><td>C467</td><td>0800353R</td><td>EL 470MF 16V</td></td<>	C408	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V	C467	0800353R	EL 470MF 16V
C411 AA01134R CAPACITOR CHIP 0.33MF +-10% 6.3V C474 0800359R EL 1000MF 10V C412 AA01813R CAPACITOR CHIP 0.068MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01812R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C481 AD00436R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0	C409	AD00478R	EL CHIP 4.7MF 50V	C468	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V
C412 AA01813R CAPACITOR CHIP 0.068MF +-10% 25V C475 0800359R EL 1000MF 10V C413 AA01812R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C481 AD00436R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10%	C410	AD00478R	EL CHIP 4.7MF 50V	C473	0800359R	EL 1000MF 10V
C413 AA01812R CAPACITOR CHIP 0.047MF +-10% 25V C476 0800359R EL 1000MF 10V C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C481 AD00436R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 4.7MF 25V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V	C411	AA01134R	CAPACITOR CHIP 0.33MF +-10% 6.3V	C474	0800359R	EL 1000MF 10V
C414 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C481 AD00436R EL CHIP 10MF 16V C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 10MF 16V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V	C412	AA01813R	CAPACITOR CHIP 0.068MF +-10% 25V	C475	0800359R	EL 1000MF 10V
C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 4.7MF 25V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V	C413	AA01812R	CAPACITOR CHIP 0.047MF +-10% 25V	C476	0800359R	EL 1000MF 10V
C415 0893129R CAPACITOR CHIP 180PF +-5% 50V C482 08800092 PF 0.01MF +-10% 50V C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 4.7MF 25V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V	C414	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V	C481	AD00436R	EL CHIP 10MF 16V
C416 0893129R CAPACITOR CHIP 180PF +-5% 50V C483 08800032 PF 1000PF +-10% 50V C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 1.7MF 25V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V		0893129R	CAPACITOR CHIP 180PF +-5% 50V		08800092	PF 0.01MF +-10% 50V
C417 0800353R EL 470MF 16V C484 0893217R CAPACITOR CHIP 4700PF +-10% 50V C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 10MF 16V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V	C416	0893129R	CAPACITOR CHIP 180PF +-5% 50V		08800032	PF 1000PF +-10% 50V
C418 0893211R CAPACITOR CHIP 1500PF +-10% 50V C485 AD00447R EL CHIP 4.7MF 25V C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 10MF 16V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V	C417	0800353R	EL 470MF 16V	C484	0893217R	CAPACITOR CHIP 4700PF +-10% 50V
C419 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C486 AD00447R EL CHIP 4.7MF 25V C420 AD00436R EL CHIP 10MF 16V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V			CAPACITOR CHIP 1500PF +-10% 50V			
C420 AD00436R EL CHIP 10MF 16V C487 AD00447R EL CHIP 4.7MF 25V C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V			CAPACITOR CHIP 0.1MF +-10% 25V			EL CHIP 4.7MF 25V
C421 AD00447R EL CHIP 4.7MF 25V C488 AD00447R EL CHIP 4.7MF 25V C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V						
C422 AA01814R CAPACITOR CHIP 0.1MF +-10% 25V C489 AD00447R EL CHIP 4.7MF 25V						
	C423	AA01814R	CAPACITOR CHIP 0.1MF +-10% 25V	C490	AA01802R	CAPACITOR CHIP 0.01MF +-10% 50V

PRODUCT SAFETY NOTE: Components marked with a rianlge L have special characteristics important to safety. Before replacing any of there components,read carefully,the CAUTION FOR SAFETY of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

SYMBOL	PART		SYMBOL	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
C491	AA01802R	CAPACITOR CHIP 0.01MF +-10% 50V	C559	0800334R	EL 220MF 10V
C492	AA01802R	CAPACITOR CHIP 0.01MF +-10% 50V	C560	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C493	AA01802R	CAPACITOR CHIP 0.01MF +-10% 50V	C561	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C501	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C562	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C502	08003172	EL 47MF 16V	C563	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C503	AA00941R	CAPACITOR CHIP 4.7MF +80% -20% 10V	C564	0893111R	CAPACITOR CHIP 8PF +-0.25% 50V
C504	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C565	08002882	EL 4.7MF 50V
C505	0893122R	CAPACITOR CHIP 47PF +-5% 50V	C601	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C506	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C602	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C507	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C603	08003172	EL 47MF 16V
C508	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C604	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C509	AA01121R	CAPACITOR CHIP 0.47MF +-10% 10V	C605	AA01101R	CAPACITOR CHIP 1MF +-10% 10V
C510	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C607	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C511	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C608	08003172	EL 47MF 16V
C512	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C609	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C513	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C610	AA01101R	CAPACITOR CHIP 1MF +-10% 10V
C514	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V	C611	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C515	0893217R	CAPACITOR CHIP 4700PF +-10% 50V	C613	AA00931R	CAPACITOR CHIP 1MF +-10% 10V
C517	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C614	AA00931R	CAPACITOR CHIP 1MF +-10% 10V
C518	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	C615	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C519	08003172	EL 47MF 16V	C616	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V
C520	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C617	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V
C521	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	C618	08003262	EL 100MF 16V
C522	08003172	EL 47MF 16V	C619	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C523	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V CAPACITOR CHIP 0.1MF +-10% 16V	C625	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V
C526	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V CAPACITOR CHIP 0.1MF +-10% 16V	∆ C952	AN01447S	CAPACITOR ACROSS 0.47MF +-10% 250V
C527 C528	0893179R		C991 C992	AA01101R	CAPACITOR CHIP 1MF + 10% 10V
C528 C529	0893179R 0893179R	CAPACITOR CHIP 0.1MF +-10% 16V CAPACITOR CHIP 0.1MF +-10% 16V	C992 C993	AA01101R AA01101R	CAPACITOR CHIP 1MF +-10% 10V CAPACITOR CHIP 1MF +-10% 10V
C529 C530	0800334R	EL 220MF 10V	CF20	0893179R	CAPACITOR CHIP 1MF +-10% 10V CAPACITOR CHIP 0.1MF +-10% 16V
C530	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	CF27	0800324R	EL 100MF 6.3V
C532	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	CF28	AA00968R	CAPACITOR CHIP 10MF +-20% 6.3V
C533	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	CF29	AA00968R	CAPACITOR CHIP 10MF +-20% 6.3V
C534	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	CF30	0800324R	EL 100MF 6.3V
C535	0893111R	CAPACITOR CHIP 8PF +-0.25% 50V	CF31	AA00968R	CAPACITOR CHIP 10MF +-20% 6.3V
C536	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	CF32	AA00968R	CAPACITOR CHIP 10MF +-20% 6.3V
C537	08003172	EL 47MF 16V	CF33	AA00968R	CAPACITOR CHIP 10MF +-20% 6.3V
C538	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	CR01	08003172	EL 47MF 16V
C539	AA01121R	CAPACITOR CHIP 0.47MF +-10% 10V	CR02	08003262	EL 100MF 16V
C540	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	CR04	08003172	EL 47MF 16V
C541	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	CR05	08003262	EL 100MF 16V
C542	0893222R	CAPACITOR CHIP 0.01MF +-10% 50V	D002A	2343561	LED SPR-54MVW
C543	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D201	CC00003R	DIODE CHIP 1SS355 TE-17
C544	0893217R	CAPACITOR CHIP 4700PF +-10% 50V	D202	CC00003R	DIODE CHIP 1SS355 TE-17
C545	AA00934R	CAPACITOR CHIP 2.2MF +-10% 10V	D301	CC10721R	DIODE CHIP DA204K-TPTX
C546	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D302	CC10721R	DIODE CHIP DA204K-TPTX
C547	08003172	EL 47MF 16V	D401	CC00632R	DIODE CHIP RB491D (20V)
C548	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D402	CC00632R	DIODE CHIP RB491D (20V)
C549	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D403	CC00632R	DIODE CHIP RB491D (20V)
C550	08003172	EL 47MF 16V	D404	CC00632R	DIODE CHIP RB491D (20V)
C551	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D405	CC00003R	DIODE CHIP 1SS355 TE-17
C554	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D406	CC00003R	DIODE CHIP 1SS355 TE-17
C555	08002882	EL 4.7MF 50V	D407	CH00151M	DIODE DSM1SD2
C556	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D408	CC00632R	DIODE CHIP RB491D (20V)
C557	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D409	CC00632R	DIODE CHIP RB491D (20V)
C558	0893179R	CAPACITOR CHIP 0.1MF +-10% 16V	D410	CC00826R	DIODE ZENER CHIP UDZ 7.5B

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NO. NO. DESCRIPTION NO. NO. DESCRIPTION	SYMBOL	PART		SYMBOL	PART	
D412			DESCRIPTION			DESCRIPTION
D414 C0086276 D100E ZENER CHIP UDZ 5.18 K999 Z784381A TAPED JUMP WIRE 0.50MM D1010 C23397827 D100E CHIP DAA020UT106 (80V) K961 Z784381A TAPED JUMP WIRE 0.50MM D1010 C33907827 D100E CHIP DAA020UT106 (80V) K961 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER CHIP UDZ 5.18 K993 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER CHIP UDZ 5.18 K993 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER CHIP UDZ 5.18 K993 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER KESSBL K11103 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER KESSBL K11103 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER KESSBL K11103 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER KESSBL K11103 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER KESSBL K11103 Z784381A TAPED JUMP WIRE 0.50MM D100E ZENER KESSBL M100E	D411	CC00632R	DIODE CHIP RB491D (20V)	K409	2784381A	TAPED JUMP.WIRE 0.60MM
Da14	D412	CC00632R	DIODE CHIP RB491D (20V)	K958	2784381A	TAPED JUMP.WIRE 0.60MM
D501 2339782B DIODE CHIP DANZOZUT106 (80V) K961 2754381A TAPED JUMP WIRE 0 60MM DR01 2330612M DIODE RISA K963 2754381A TAPED JUMP WIRE 0 60MM E01 EV0152 CODE POWER SUPPLY(or SPHONT1) KN04 2754381A TAPED JUMP WIRE 0 60MM B E01 EV0152 CODE POWER SUPPLY(or SPHONT1) KN04 2754381A TAPED JUMP WIRE 0 60MM B E01 EV0152 ADAPTOR RCA-SCART CONVERSION L001A 2123116M LALA AXIAL COIL 100UH EAD1 EA01252R CONNECTOR 12P L216 BA00712R COIL CHIP 70UH EJF4 EA01252R CONNECTOR 12P L216 BA00712R COIL CHIP 70UH EJF4 EA01252R CONNECTOR 12P L216 BA00712R COIL CHIP 70UH 1001A CO11711 L00 B 80P L217 BA00712R COIL CHIP 70UH 1001A CO11711 L02 CK37558R L229 BA00712R L01 LALA AXIAL COIL CHIP 70UH 1201 CK30941U L02 CX30268R L221 2123098M LALA XIAL CO	D413	CC00822R		K959	2784381A	TAPED JUMP.WIRE 0.60MM
DH101						
DR01			• •			
E01						
EØ4 EV01951 ADAPTOR RCA-SCART CONVERSION L001A 2:213116M LA_AXIAL_COIL_100UH Æ BØ1 EP00281 INILET (AC INILET) L213 BA00712R COIL CHIP 100UH EJF3 EA013282R CONNECTOR 12P L216 BA00712R COIL CHIP 47UH EJF4 EA01252R CONNECTOR 12P L216 BA00714R COIL CHIP 47UH 6 F952 FN0141 FUSE 10A 250V L218 BA00714R COIL CHIP 47UH 10011 CX539818 C CATZ4WC04J1 L219 BA00714R COIL CHIP 47UH 10012 CX539818 C CATZ4WC04J1 L219 BA00714R COIL CHIP 100UH 10012 CX539318 C CATZ4WC04J1 L219 BA00714R COIL CHIP 100UH 1201 CX639311 IC CX26092 L310 BA00714R COIL CHIP 100UH 1202 CX6393211 IC NJW1326FP1 L302 2123108M LALAZAL ACAL COIL 27MH 1202 CX639211 IC NJW253M-TE1 L304 BA00714R COIL CHIP 100UH 1303 C						
∆ B901 E900261 INLET (∆C INLET) 1.213 BA00714R COIL CHIP 100UH EJF3 EA01252R CONNECTOR 12P 1.214 BA00712R COIL CHIP 47UH COIL CHIP 47UH EJF4 EA01252R CONNECTOR 12P 1.215 BA00714R COIL CHIP 47UH COIL CHIP 47UH L9 F3 END4252P CONNECTOR 12P 1.216 BA00714R COIL CHIP 47UH M F952 FN00141 FUSE 10A 250V 1.218 BA00714R COIL CHIP 47UH 1001 CASS991TI IC CATZ4WCO4J1 1.219 BA00714R COIL CHIP 100UH 1002 CAS3953TI IC CSC40809U I.231 BA00714R COIL CHIP 100UH 1202 CAS39231U IC CX20809C I.301 BA00714R COIL CHIP 100UH 1203 CAS3924TI IC TC90690F(ELP) I.302 2123108M I.ALA ZALA COIL 27MH 1303 CAS3924TI IC TC90690F(ELP) I.305 BA00714R COIL CHIP 100UH 1304 CAS3924TI IC TC90690F(ELP) I.306 BA00714R COIL CHIP			·			
EAD1						
E_JF3			,			
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EV.11						
A F982						
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DOC						
1202 CK39231U IC NJW1320FP1 L302 2123108M LAL02 AXIAL COIL 27MH 1203 CK39241R IC NJW2533M-TE1 L304 BA00714R COIL CHIP 100UH 1304 CK36591R LAL02 AXIAL COIL 27MH 1302 CK38701U IC UPD64084GC-8EA-A L306 BA00712R COIL CHIP 47UH 1303 CK39241R IC NJW2533M-TE1 L307 BA00712R COIL CHIP 100UH 1304 CK33543R IC PST9227NR L308 BA00712R COIL CHIP 47UH 1305 CK37216R IC TK11125CSCL L309 2123109M LAL02 AXIAL COIL 33UH 1306 CK37212R IC TK11125CSCL L310 BA00714R COIL CHIP 100UH 1307 CK39241R IC NJW2533M-TE1 L312 BA00714R COIL CHIP 100UH 1501 CK34951U IC TB1274AF(J) L313 BA00712R COIL CHIP 47UH 1501 CK34951U IC TB1274AF(J) L314 BA00712R COIL CHIP 47UH 1601 CK37781R IC NJW2533M-TE1 L315 BA00712R COIL CHIP 47UH 1601 CK37781R IC NJW2136GL1-TE1 L317 BA00712R COIL CHIP 47UH 1602 CK395311R IC NJW2136GL1-TE1 L317 BA00712R COIL CHIP 47UH 1603 CK399281R IC NJW2136GL1-TE1 L317 BA00712R COIL CHIP 47UH 1604 CK39281R IC NJW2192AM L318 BA00712R COIL CHIP 47UH 1604 CK39281R IC NJW2192AM L318 BA00712R COIL CHIP 47UH 1604 CK39281R IC NJW2192AM L318 BA00712R COIL CHIP 47UH 1604 CK39281R IC NJW2192AM L318 BA00712R COIL CHIP 47UH 1604 CK39378R IC SI-3033C L404 BH0811R COIL 10UH 2-1A 1606 CP06541F IC SI-3033C L404 BH0811R COIL 10UH 2-1A 1606 CV38377R IC SI-3036MM-TL L409 B201421R COIL FRRITE BEAD BLOZRN1-R6274 1608 CK38377R IC SI-3056MM-TL L411 BA00712R COIL CHIP 47UH 1609 CK38378R IC SI-3056MM-TL L411 BA00712R COIL CHIP 47UH 1609 CK38378R IC SI-3056MM-TL L411 BA00712R COIL CHIP 47UH 1600 CK38378R IC SI-3056MM-TL L411 BA00712R COIL CHIP 47UH 1600 CK38378R IC SI-3056MM-TL L411 BA00712R COIL CHIP 47UH 1600 CK38378R IC SI-3056MM-TL L411 BA00712R COIL CHIP 47UH 1600 CK38378						
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1301 CK36591R IC TC9069F(ELP) L305 2123108M LAL02 AXIAL COIL 27MH CID 1302 CK39701U IC UPD64084GC-8EA-A L306 BA00712R COIL CHIP 47UH COIL CHIP 47UH	1202	CK39231U	IC NJW1320FP1	L302	2123108M	LAL02 AXIAL COIL 27MH
1302 CK38701U IC UPD6408/GC-8EA-A L306 BA00712R COIL CHIP 47UH COIL CHIP 100UH CK39543R IC PST9227NR L308 BA00712R COIL CHIP 100UH COIL CHIP 100UH COIL CHIP 47UH COIL CHIP 100UH COIL CHIP 47UH COI	1203	CK39241R	IC NJM2533M-TE1	L304	BA00714R	COIL CHIP 100UH
1303 CK39241R IC NJM2533M-TE1 L307 BA00714R COIL CHIP 100UH	I301	CK36591R	IC TC9069F(ELP)	L305	2123108M	LAL02 AXIAL COIL 27MH
1304		CK38701U	IC UPD64084GC-8EA-A		BA00712R	COIL CHIP 47UH
1305 CK37216R IC TK11133CSCL						
1306						
1307 CK39241R IC NJM2533M-TE1 L312 BA00714R COIL CHIP 100UH 1501 CK34951U IC TB1274AF(J) L313 BA00712R COIL CHIP 47UH 1502 CK34951U IC TB1274AF(J) L314 BA00712R COIL CHIP 47UH 1601 CK37781R IC TA1370FG L315 BA00712R COIL CHIP 47UH 1602 CK34991R IC SN74ACT14PWR L316 BA00712R COIL CHIP 47UH 1602 CK34991R IC NJW1136GL1-TE1 L317 BA00712R COIL CHIP 47UH 1603 CK31991R IC NJW1136GL1-TE1 L317 BA00712R COIL CHIP 47UH 1604 CK39281R IC NJW1192AM L318 BA00712R COIL CHIP 47UH 1605 CK35191R IC BU4052BCF-E2 L401 BH01811R COIL 10UH 2.1A 1606 CP06541F IC SI-3033C L403 BH01811R COIL 10UH 2.1A 1607 CP065641F IC SI-3033C L403 BH01811R COIL 10UH 2.1A 1608 CK38372R IC SI-3018KM-TL L409 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1601 CK38377R IC SI-3090KM-TL L410 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1602 CK38376R IC SI-3050KM-TL L411 BA00712R COIL FERRITE BEAD BL02RN1-R62T4 1704 L414 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1705 L414 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1706 L414 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1707 L414 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1708 L414 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1709						
ISO1						
ISO2						
1601 CK37781R IC TA1370FG L315 BA00712R COIL CHIP 47UH 1602 CK34991R IC SN74ACT14PWR L316 BA00712R COIL CHIP 47UH 1C401 CK39281R IC NJW1136GL1-TE1 L317 BA00712R COIL CHIP 47UH 1C402 CK35311R IC NJW1192AM L318 BA00712R COIL CHIP 47UH 1C403 CK31991R IC BU4052BCF-E2 L401 BH01811R COIL 10UH 2.1A 1C404 CK39291R IC TA2021B L402 BH01811R COIL 10UH 2.1A 1F06 CP06541F IC SI-3033C L403 BH01811R COIL 10UH 2.1A 1F07 CP06541F IC SI-3033C L403 BH01811R COIL 10UH 2.1A 1F08 CK38372R IC SI-3033C L409 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1F01 CK38377R IC SI-3096MH-TL L409 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 1F02 CK38376R IC SI-3050KM-TL L411 BA00712R COIL CHIP 47UH J201 ES00551 PLUG 6P L413 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 J202 ES00551 PLUG 6P L413 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 J204 EY01831 SOCKET RGB 21P L481 BZ01421R COIL FERRITE BEAD BL02RN1-R62T4 J204 EY01831 SOCKET RGB 21P L481 BZ05521 CHOKE COIL 7UH 2A (No.3) J401 2672967 JA402 ER00061 SPEAKER TERMINAL L501 2123111M LAL AXIAL COIL J39M KB (No.12) J3403 ER00061 SPEAKER TERMINAL L502 BA00714R COIL CHIP 47UH K001 2784381A TAPED JUMP.WIRE 0.60MM L504 BA00712R COIL CHIP 100UH K003 2784381A TAPED JUMP.WIRE 0.60MM L505 BH00693R COIL 47MH K406 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH K406 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH K406 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH K406 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH K406 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH K406 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH K406 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH			. ,			
I602						
IC401						
IC402						
IC403						
IC404						
IF07 CP06541F IC SI-3033C		CK39291R	IC TA2021B		BH01811R	
IF08	IF06	CP06541F	IC SI-3033C	L403	BH01811R	COIL 10UH 2.1A
IR01	IF07	CP06541F	IC SI-3033C	L404	BH01811R	COIL 10UH 2.1A
IR02	IF08	CK38372R	IC SI-3018KM-TL	L409	BZ01421R	COIL FERRITE BEAD BL02RN1-R62T4
J201	IR01	CK38377R	IC SI-3090KM-TL	L410	BZ01421R	COIL FERRITE BEAD BL02RN1-R62T4
J202						
J203						
J204						
J401 2672967 1PIN JACK (BLACK) L482 BZ05521 CHOKE COIL 7UH 2A JA402 ER00061 SPEAKER TERMINAL L501 2123111M LAL AXIAL COIL 39MH KB (No.12) JA403 ER00061 SPEAKER TERMINAL L502 BA00714R COIL CHIP 100UH (No.4) K001 2784381A TAPED JUMP.WIRE 0.60MM L503 BA00712R COIL CHIP 47UH K002 2784381A TAPED JUMP.WIRE 0.60MM L504 BA00714R COIL CHIP 100UH K003 2784381A TAPED JUMP.WIRE 0.60MM L505 BH00693R COIL 47MH K004 2784381A TAPED JUMP.WIRE 0.60MM L506 BH00693R COIL CHIP 47UH K404 2784381A TAPED JUMP.WIRE 0.60MM L507 BA00712R COIL CHIP 47UH K406 2784381A TAPED JUMP.WIRE 0.60MM L601 BA00712R COIL CHIP 47UH						
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K406 2784381A TAPED JUMP.WIRE 0.60MM L601 BA00712R COIL CHIP 47UH						
	K407	2784381A	TAPED JUMP.WIRE 0.60MM	L602	BA00712R	COIL CHIP 47UH
K408 2784381A TAPED JUMP.WIRE 0.60MM L603 BA00712R COIL CHIP 47UH						

PRODUCT SAFETY NOTE: Components marked with a \triangle have special characteristics important to safety. Before replacing any of there components,read carefully,the CAUTION FOR SAFETY of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

SYMBOL	PART		SYMBOL	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
L604	BA00712R	COIL CHIP 47UH	Q317	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
LR236	BM00293R	FERRITE BEAD BLM18BD252SN1D	Q318	2316244R	TRANSISTOR CHIP 2SC4081 T106 R
LR238	BM00293R	FERRITE BEAD BLM18BD252SN1D	Q319	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
LR240	BM00293R	FERRITE BEAD BLM18BD252SN1D	Q319 Q320	2316244R	TRANSISTOR CHIP 2SC4081 T106 R
LR241	BM00293R	FERRITE BEAD BLM18BD252SN1D	Q321	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
LR241	BM00293R	FERRITE BEAD BLM18BD252SN1D	Q321 Q322	CA00331R CA00122R	TRANSISTOR CHIP 1M21A 1106(1) TRANSISTOR CHIP 2SA1576A(R)50V
LR245	BM00293R	FERRITE BEAD BLM18BD252SN1D	Q322 Q323	2316244R	TRANSISTOR CHIP 2SC4081 T106 R
NF952	FP00051	FUSE HOLDER	Q324	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
NO14	EK01433	CONNECTOR 50P FFC	Q324 Q325	CA00331R CA00122R	TRANSISTOR CHIP 1M21A 1106(1) TRANSISTOR CHIP 2SA1576A(R)50V
NO4	EF23863	CONNECTOR 30P	Q325 Q326	CA00122R CA00331R	TRANSISTOR CHIP 25A1370A(R)50V
NVS1	BZ10611	FERRITE CORE	Q327	2316244R	TRANSISTOR CHIP IMZTA T106(1)
NVS1	2169513	FERRITE CORE	Q327 Q328	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
				2316244R	* *
NVS11	2169513	FERRITE CORE	Q329		TRANSISTOR CHIP 2SC4081 T106 R
NVS2	2169513	FERRITE CORE	Q330	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
NVS3	2169512	FERRITE CORE	Q401	1323293R	TRANSISTOR CHIP 2SC4617 TL (R/S)
NVS4	GX00402	FERRITE CORE	Q402	1323293R	TRANSISTOR CHIP 2SC4617 TL (R/S)
NVS5	2169512	FERRITE CORE	Q403	CA00981R	TRANSISTOR CHIP DTC114EE TL
NVS6	2169511	FERRITE CORE	Q404	CA00771R	TRANSISTOR CHIP DTC323TKT146
NVS7	GX00402	FERRITE CORE	Q405	CA00771R	TRANSISTOR CHIP DTC323TKT146
NVS9	2169511	FERRITE CORE	Q407	CA00771R	TRANSISTOR CHIP DTC323TKT146
PPU25	ED02801	PLUG 2P	Q408	CA00981R	TRANSISTOR CHIP DTC114EE TL
PSW5	ED02811	PLUG 8P	Q501	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
PTV2	EA00932R	CONNECTOR 50P	Q502	CA00142R	TRANSISTOR CHIP IMX2T108(T)
PVJ1	ED04262U	SOCKET B 80P	Q503	CA11163R	TRANSISTOR CHIP DTC144EUA
Q001	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q504	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
Q010A	2325721	TRANSISTOR 2SC1740S	Q505	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
Q201	2320663	TRANSISTOR 2SC1213AC	Q506	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
Q202	CA00142R	TRANSISTOR CHIP IMX2T108(T)	Q507	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
Q203	CA00142R	TRANSISTOR CHIP IMX2T108(T)	Q508	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q204	2320663	TRANSISTOR 2SC1213AC	Q509	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q205	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q510	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q206	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q511	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q207	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q512	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q208	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V	Q513	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q209	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q514	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)
Q210	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q601	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q211	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q603	2316244R	TRANSISTOR CHIP 2SC4081 T106 R
Q212	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q604	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q213	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q605	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q214	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q606	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q215	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q608	2316244R	TRANSISTOR CHIP 2SC4081 T106 R
Q301	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q609	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q302	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	Q610	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V
Q303	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V	QR01	2316244R	TRANSISTOR CHIP 2SC4081 T106 R
Q304	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V	R001	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
Q305	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V	R002	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
Q306	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	R003	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W
Q307	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V	R004	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W
Q308	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	R009A	0700027M	CF 100 OHM +-5% 1/16W
Q309	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	R010A	0700033M	CF 270 OHM +-5% 1/16W
Q310	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	R011A	07000382	CF 680 OHM +-5% 1/16W
Q311	CA00122R	TRANSISTOR CHIP 2SA1576A(R)50V	R012A	07000492	CF 4.7K OHM +-5% 1/16W
Q313	CA01011R	TRANSISTOR CHIP 2SK3018 T106	R013A	07000512	CF 5.6K OHM +-5% 1/16W
Q314	CA01011R	TRANSISTOR CHIP 2SK3018 T106	R201	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W
Q315	CA00331R	TRANSISTOR CHIP IMZ1A T108(T)	R202	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W
Q316	2316244R	TRANSISTOR CHIP 2SC4081 T106 R	R203	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W

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SYMBOL	PART		SYMBOL	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
R204	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R269	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R205	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R270	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R206	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R271	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W
R207	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R272	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R208	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R273	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W
R209	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R274	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W
R210	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R275	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R211	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R276	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R212	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R277	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R213	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R278	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R214	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R279	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R215	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R280	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R216	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R281	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R217	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R282	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R218	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	R283	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R219	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R284	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R220	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	R285	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R221	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	R286	0790036R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R222	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	R287	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R223	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R288	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R224	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R289	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R225	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	R290	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R226	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R291	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R227	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R292	0790024R	RESISTOR CHIP 1K OHM +-5% 1/16W
R228	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R293	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R229	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	R2A1	0790037R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R230	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R2A2	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R231	0790069R	RESISTOR CHIP 270K OHM +-5% 1/16W	R2A3	0790033R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R232	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R2A4	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R233	0196039R	RESISTOR CHIP 75 OHM +-5% 1/16W	R2A5	0790033R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R234	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W	R2A6	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R235	0790044R	RESISTOR CHIP 3.3K OHM +-5% 1/16W	R2A7	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R237	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R2A8	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R239	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R2A9	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R242	0790047R 0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R2C1	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R244	0790047R 0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R2C2	0790032R	RESISTOR CHIP 470 OHM +-5% 1/16W
R246	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R2C3	0790057R	RESISTOR CHIP 33K OHM +-5% 1/16W
R247	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R2C4	0790062R	RESISTOR CHIP 68K OHM +-5% 1/16W
R248	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R2C5	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R250	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R2C6	0790038R	RESISTOR CHIP 1.2K OHM +-5% 1/16W
R251	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R2C7	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R252	0790037R 0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R2C8	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W
R253	0790037R 0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R2C9	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R254	0790037R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R2E1	0790037R	RESISTOR CHIP 560K OHM +-5% 1/16W
R255	0790024R 0790047R	RESISTOR CHIP 100 OHM +-5% 1/16W	R2E2	0790074R 0790057R	RESISTOR CHIP 33K OHM +-5% 1/16W
R257	0790047R 0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R2E3	0790062R	RESISTOR CHIP 68K OHM +-5% 1/16W
R258	0790047R 0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R2E4	079002IX 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R259	0790037R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R2E5	0790038R	RESISTOR CHIP 1.2K OHM +-5% 1/16W
R260	0790024R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R2E6	0790030R	RESISTOR CHIP 1K OHM +-5% 1/16W
R261	0790024R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R2E7	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W
R262	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R2E8	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R263	0790024R 0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R2E9	0790037R	RESISTOR CHIP 560K OHM +-5% 1/16W
R264	0790037R 0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R2F1	0790014R 0790018R	RESISTOR CHIP 39 OHM +-5% 1/16W
R265	0790001R 0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R2F2	0790018R	RESISTOR CHIP 39 OHM +-5% 1/16W
R266	0790001R 0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R2F3	0790018R	RESISTOR CHIP 39 OHM +-5% 1/16W
R268	0790001R 0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R2F4	0790018R	RESISTOR CHIP 39 OHM +-5% 1/16W
N200	AI DOOG IV	NEGIGION GHIF U GHIM 7-3% 1/10W	NZF4	MOIDORIO	NEGIGTOR OTHE 33 OFINET-3% 1/1000

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SYMBOL	PART		SYMBOL	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
R2F5	0790018R	RESISTOR CHIP 39 OHM +-5% 1/16W	R328	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W
R2F6	0790018R	RESISTOR CHIP 39 OHM +-5% 1/16W	R329	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2F7	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R330	0790044R	RESISTOR CHIP 3.3K OHM +-5% 1/16W
R2F8	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W	R331	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R2F9	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R332	0790021R	RESISTOR CHIP 56 OHM +-5% 1/16W
R2H1	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W	R333	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R2H2	0790059R	RESISTOR CHIP 47K OHM +-5% 1/16W	R334	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2H3	0790061R	RESISTOR CHIP 56K OHM +-5% 1/16W	R335	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W
R2K3	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R339	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2K5	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R340	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2K7	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R341	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R2K8	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R342	0790031R	RESISTOR CHIP 330 OHM +-5% 1/16W
R2M1	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R344	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R2M2	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R345	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2M3	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R346	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2M4	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R347	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2M5	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R348	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2M6	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R351	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R2M7	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R353	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W
R2M8	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R354	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W
R2M9	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R355	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W
R2R1	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R358	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R2R2	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R359	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R2R3	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R360	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W
R2T6	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W	R361	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R2T7	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W	R362	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R2T8	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W	R363	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R2T9	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R364	0790042R	RESISTOR CHIP 2.2K OHM +-5% 1/16W
R2W3	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R365	0790059R	RESISTOR CHIP 47K OHM +-5% 1/16W
R301	0790057R	RESISTOR CHIP 33K OHM +-5% 1/16W	R366	0790068R	RESISTOR CHIP 220K OHM +-5% 1/16W
R302	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	R367	0790028R	RESISTOR CHIP 220 OHM +-5% 1/16W
R303	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R368	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R304	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R369	0790042R	RESISTOR CHIP 2.2K OHM +-5% 1/16W
R305	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R370	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R306	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W	R371	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W
R307	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R372	0790058R	RESISTOR CHIP 39K OHM +-5% 1/16W
R308	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W	R373	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W
R309	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R374	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R310	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R375	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R311	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R377	0790039R	RESISTOR CHIP 1.5K OHM +-5% 1/16W
R312	0790041R	RESISTOR CHIP 1.8K OHM +-5% 1/16W	R378	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R313	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R379	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R314	0790041R	RESISTOR CHIP 1.8K OHM +-5% 1/16W	R380	0790042R	RESISTOR CHIP 2.2K OHM +-5% 1/16W
R315	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R381	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R316	0790039R	RESISTOR CHIP 1.5K OHM +-5% 1/16W	R382	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R317	0790061R	RESISTOR CHIP 56K OHM +-5% 1/16W	R383	0790042R	RESISTOR CHIP 2.2K OHM +-5% 1/16W
R318	0790061R 0790062R	RESISTOR CHIP 68K OHM +-5% 1/16W	R384	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R319	0790055R	RESISTOR CHIP 22K OHM +-5% 1/16W	R385	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W
R320	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R386	0790058R	RESISTOR CHIP 39K OHM +-5% 1/16W
R321	0790041R	RESISTOR CHIP 1.8K OHM +-5% 1/16W	R387	0790056R	RESISTOR CHIP 27K OHM +-5% 1/16W
R322	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R389	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R323	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R390	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R324	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R391	0790038R	RESISTOR CHIP 1.2K OHM +-5% 1/16W
R325	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R392	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W
R326	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R393	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R327	0790057R	RESISTOR CHIP 27K OHM +-5% 1/16W	R394	0790042R	RESISTOR CHIP 2.2K OHM +-5% 1/16W
11021	01000001	RESISTOR OTHER ZTR OTHER 1-0 /0 1/1000	11004	01000 1 211	1.200101.01111 2.21.011W1 1-070 1/10W

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SYMBOL	PART		SYMBOL	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
R395	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R424	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R396	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R425	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R397	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R426	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R398	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R427	0196098R	RESISTOR CHIP 16K OHM +-5% 1/16W
R399	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R428	0196098R	RESISTOR CHIP 16K OHM +-5% 1/16W
R3A1	0790059R	RESISTOR CHIP 47K OHM +-5% 1/16W	R429	0196108R	RESISTOR CHIP 43K OHM +-5% 1/16W
R3A2	0790055R	RESISTOR CHIP 22K OHM +-5% 1/16W	R430	0196108R	RESISTOR CHIP 43K OHM +-5% 1/16W
R3A3	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R431	0113701	CF 10 OHM +-5% 1/2W
R3A5	0790028R	RESISTOR CHIP 220 OHM +-5% 1/16W	R432	0113701	CF 10 OHM +-5% 1/2W
R3A6	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W	R433	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W
R3A7	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W	R434	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W
R3A8	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R435	0790042R	RESISTOR CHIP 2.2K OHM +-5% 1/16W
R3A9	0790035R	RESISTOR CHIP 680 OHM +-5% 1/16W	R436	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W
R3C1	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R437	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R3C2	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R438	0790059R	RESISTOR CHIP 47K OHM +-5% 1/16W
R3C3	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R439	0790049R	RESISTOR CHIP 8.2K OHM +-5% 1/16W
R3C4	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R440	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R3C5	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R441	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R3C6	0790059R	RESISTOR CHIP 47K OHM +-5% 1/16W	R442	0790052R	RESISTOR CHIP 12K OHM +-5% 1/16W
R3C7	0790055R	RESISTOR CHIP 22K OHM +-5% 1/16W	R446	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R3C8	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R447	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R3E1	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W	R448	0790044R	RESISTOR CHIP 3.3K OHM +-5% 1/16W
R3E2	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W	R458	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W
R3E3	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W	R459	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W
R3E4	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R460	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R3E5	0790035R	RESISTOR CHIP 680 OHM +-5% 1/16W	R462	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R3E6	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R463	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R3E8	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R464	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R3E9	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R465	0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W
R3F1	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R501	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R3F4	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R502	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R3F5	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R503	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R3F6	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W	R504	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R401	0790028R	RESISTOR CHIP 220 OHM +-5% 1/16W	R505	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R402	0790028R	RESISTOR CHIP 220 OHM +-5% 1/16W	R506	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R403	0790068R	RESISTOR CHIP 220K OHM +-5% 1/16W	R507	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R404	0790068R	RESISTOR CHIP 220K OHM +-5% 1/16W	R508	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R405	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R509	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R406	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R510	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R407	0790061R	RESISTOR CHIP 56K OHM +-5% 1/16W	R511	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R408	0196096R	RESISTOR CHIP 13K OHM +-5% 1/16W	R512	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R409	0196123R	RESISTOR CHIP 160K OHM +-5% 1/16W	R513	0790031R	RESISTOR CHIP 330 OHM +-5% 1/16W
R410	0196106R	RESISTOR CHIP 36K OHM +-5% 1/16W	R514	0790035R	RESISTOR CHIP 680 OHM +-5% 1/16W
R411	0196091R	RESISTOR CHIP 9.1K OHM +-5% 1/16W	R515	0790035R	RESISTOR CHIP 680 OHM +-5% 1/16W
R412	0196119R	RESISTOR CHIP 110K OHM +-5% 1/16W	R516	0790053R	RESISTOR CHIP 15K OHM +-5% 1/16W
R413	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W	R517	0790054R	RESISTOR CHIP 18K OHM +-5% 1/16W
R414	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R518	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R415	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R519	0790048R	RESISTOR CHIP 6.8K OHM +-5% 1/16W
R416	0196077R	RESISTOR CHIP 2.4K OHM +-5% 1/16W	R520	0790042R	RESISTOR CHIP 2.2K OHM +-5% 1/16W
R417	0790047R	RESISTOR CHIP 5.6K OHM +-5% 1/16W	R521	0790055R	RESISTOR CHIP 22K OHM +-5% 1/16W
R418	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R522	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R419	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R523	0790026R	RESISTOR CHIP 150 OHM +-5% 1/16W
R420	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R524	0790027R	RESISTOR CHIP 180 OHM +-5% 1/16W
R421	0790048R	RESISTOR CHIP 6.8K OHM +-5% 1/16W	R525	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R422	0790048R	RESISTOR CHIP 6.8K OHM +-5% 1/16W	R526	0790056R	RESISTOR CHIP 27K OHM +-5% 1/16W
R423	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R527	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W

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SYMBOL			SYMBOL		
NO.	PART NO.	DESCRIPTION	NO.	PART NO.	DESCRIPTION
R529	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R593	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R530	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R594	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R531	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R595	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R533	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W	R596	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R534	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R597	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R535	0196079R	RESISTOR CHIP 3K OHM +-5% 1/16W	R598	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R538	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R599	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R539	0790048R	RESISTOR CHIP 6.8K OHM +-5% 1/16W	R5A1	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R540	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R5A2	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R541	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R5A4	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R542	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R5A5	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R543	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W	R5A6	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W
R544	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R5A7	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R546	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R5A8	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R547	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R601	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R548	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R602	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R549	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R603	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R550	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R606	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R551	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R608	0790068R	RESISTOR CHIP 220K OHM +-5% 1/16W
R552	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R609	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R553	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R610	0790044R	RESISTOR CHIP 3.3K OHM +-5% 1/16W
R554	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R611	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R555	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R612	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R556	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R613	0790025R	RESISTOR CHIP 120 OHM +-5% 1/16W
R557	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R614	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R558	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R615	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R559	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W	R616	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R560	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R617	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R562	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R618	0790034R	RESISTOR CHIP 560 OHM +-5% 1/16W
R563	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R621	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R564	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R623	0790068R	RESISTOR CHIP 220K OHM +-5% 1/16W
R565	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W	R624	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R566	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W	R625	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R567	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R626	0790044R	RESISTOR CHIP 3.3K OHM +-5% 1/16W
R568	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W	R627	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W
R569	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R628	0790025R	RESISTOR CHIP 120 OHM +-5% 1/16W
R570	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W	R629	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R571	0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W	R630	0790033R	RESISTOR CHIP 470 OHM +-5% 1/16W
R572	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R631	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R573	0790056R	RESISTOR CHIP 27K OHM +-5% 1/16W	R632	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R574	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R633	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R576	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R635	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R577	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R637	0196089R	RESISTOR CHIP 7.5K OHM +-5% 1/16W
R579	0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W	R638	0196056R	RESISTOR CHIP 360 OHM +-5% 1/16W
R580	0196079R	RESISTOR CHIP 3K OHM +-5% 1/16W	R639	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R581	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R641	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R583	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R643	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R584	0790048R	RESISTOR CHIP 6.8K OHM +-5% 1/16W	R644	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R585	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R645	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R586	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W	R646	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R587	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R647	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W
R588	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R648	0790001R	RESISTOR CHIP 0 OHM +-5% 1/16W
R589	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R650	0790036R	RESISTOR CHIP 820 OHM +-5% 1/16W
R590	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R651	0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W
R591	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	R652	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W
R592	0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	R653	0790046R	RESISTOR CHIP 4.7K OHM +-5% 1/16W

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SYMBOL			SYMBOL			
	DARTNO	DESCRIPTION		DADT	NO	DESCRIPTION
NO. R655	PART NO. 0790032R	DESCRIPTION RESISTOR CHIP 390 OHM +-5% 1/16W	NO.	PART	INU.	DESCRIPTION
R656	0790032R 0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W				
R657	0790032R 0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W				
R658	0790032R 0790032R	RESISTOR CHIP 390 OHM +-5% 1/16W				
R669	0790032R 0790043R	RESISTOR CHIP 2.7K OHM +-5% 1/16W	DIA/D DA	DT NIII	MDE	
R672	0790043R 0790037R	RESISTOR CHIP 1K OHM +-5% 1/16W	PWB PA	KINU	MRF	:RS
R673	0790037R 0790077R	RESISTOR CHIP 1M OHM +-5% 1/16W	Part No.		Docor	iption
R674	0790077R 0790077R	RESISTOR CHIP 1M OHM +-5% 1/16W	CS00784			ATTER HCP144 ASS'Y (55HDM71)
△ R952	AT03661M	MG 470K OHM +-5% 1/2W	CS00785			ATTER HCP144 ASS'Y (55PMA550)
RC298	0195250R	RESISTOR CHIP 0 OHM 1/16W	0000.00	•	0	(601 111 1600)
RF58	0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	FPF24R-XSS			BOARD
RF59	0790024R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	FPF24R-YSS			BOARD
RM05	07000322	CF 220 OHM +-5% 1/16W	FPF24RABD(FPF24RABD(-D1 BOARD -D2 BOARD
RM06	07000322	CF 820 OHM +-5% 1/16W	FPF24RABD			-D3 BOARD
RM07	07000332 0700041M	CF 1K OHM +-5% 1/16W	FPF24RABD			-D4 BOARD
RM08	0700041W	CF 1.8K OHM +-5% 1/16W	FPF24RABU			-U1 BOARD
RM09	07000442	CF 2.7K OHM +-5% 1/16W	FPF24RABU			-U2 BOARD
RM10	07000462	CF 6.8K OHM +-5% 1/16W	FPF24RABU(FPF24RABU(-U3 BOARD -U4 BOARD
RR05	07000522 0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W	FPF24RABU			BOARD
RR07	0790051R 0790051R	RESISTOR CHIP 10K OHM +-5% 1/16W	l I I I Z II L CO	002002		, 50, 11, 5
RR08	079003TR 0790047R	RESISTOR CHIP 10K OHM +-5% 1/16W	HA01371			R UNIT
RR09	0790047R 0790064R	RESISTOR CHIP 100K OHM +-5% 1/16W	JP06933			ASS'Y AUDIO/JOINT
RRA2	0790004R 0790024R	RESISTOR CHIP 100 OHM +-5% 1/16W	JP06951		PWB /	ASS Y VIDEO
RY401	FJ00291	RELAY	JP06944		PWB /	ASS'Y FILTER (55PMA550)
RY402	FJ00291	RELAY	JP07871			ASS'Y FILTER (55HDM71)
∆ S900	2634733	POWER SWITCH(for 55HDM71)		i.		, ,
∆ S900	FG00241	POWER SWITCH(for 55PMA550)				
SM01	FE00001R	PUSH SWITCH				
SM02	FE00001R	PUSH SWITCH				
SM03	FE00001R	PUSH SWITCH				
SM04	FE00001R	PUSH SWITCH				
SM05	FE00001R	PUSH SWITCH				
SM06	FE00001R	PUSH SWITCH				
SM07	FE00001R	PUSH SWITCH				
U001	HL01903	R.C.T. CP-RD4(for 55HDM71)				
U001	HL02041	R.T.C. CLE-958(for 55PMA550)				
U1	HA01371	POWER UNIT PS-71				
X302	BJ00642	LC FILTER 6M LPF				
X303	BJ00642	LC FILTER 6M LPF				
X304	BJ00711	LC FILTER 6M LPF				
X305	BJ00701	LC FILTER 4M BPF				
X501	BP00891	OSCILLATOR CRYSTAL 16.2MHZ				
X502	BP00891	OSCILLATOR CRYSTAL 16.2MHZ				
X601	2168771	OSCILLATOR CERAMIC 0.503MHZ				
1						
L	1					i .

15. DC Voltage Tables

Plasma Display Panel - Connector Pin-outs Chassis #: 55P1 - Panel #: FPF55C17196UA-55

Board	Connector	Pin	Voltage	Comments	To/From	
	1	01	63V	Va		
		02	63V	Va		
		03	5.0V	Vcc		
		04	5.0V	Vcc		
	CN21	05	0V	Gnd	Power supply	
	<u>OTTE</u>	06	0V	Gnd	· oner cuppiy	
		07	0V	Gnd		
		08	87V	Vs		
		09 10	87V 87V	Vs Vs	_	
		01	63V	Va		
		02	0V	Gnd		
		03	5.0V	Vcc		
		04	0V	Gnd		
	CN22	05	40V	Vx	Y-SUS, CN31	
		06	87V	Vs		
		07	87V	Vs		
		80	87V	Vs		
	CN21 CN22 CN23 CN24 CN25 CN31	09	190VV	Vw		
X-SUS		01	63V	Va		
X-SUS		02	63V	Va		
	ONIOO	03		NC	A DUIG 114 ONII14 5	
	<u>CN23</u>	04	16V	Ve	A-BUS-U4, CNU4-5	
		05 06	5.0V 0V	Vcc Gnd		
		07	0V	Gnd	=	
	-	01	63V	Va		
		02	63V	Va		
		03	031	NC NC		
	CN24	04	16V	Ve	A-BUS-D4, CND4-5	
		05	5.0V	Vcc		
		06	0V	Gnd		
		07	0V	Gnd		
		01	40v	Vx		
		02	NC			
	CN25	03	0V	Gnd	(Check only)	
		04	0V	Gnd	(=,)	
		05	NC 4001/			
	+	06	190V	Vw		
		01	190V	Vw	⊢	
		02	87V	Vs	-	
		03	87V 87V	Vs Vs	-	
Y-SUS	CN31	05	40V	Vx	X-SUS, CN22	
. 555	27101	06	0V	Gnd	500, 01122	
		07	5V	Vcc	┪	
		08	0V	Gnd	7	
		09	63V	Va	7	
		01	3.19V	PFC go		
		02	3.13	Vsa go		
		03	3.13	Vce go		
	CN9	04	2.14	Vrs]	
l		05	1.64	Vra	⊥	
LOGIC		06	0V	Gnd	Power supply	
l		07	0V	Gnd	_	
I		08	0V	Gnd	⊣	
		09	3.3V	Vpr2	-	
		10	5.0V	Vcc	-	
		11	5.0V	Vcc	1	

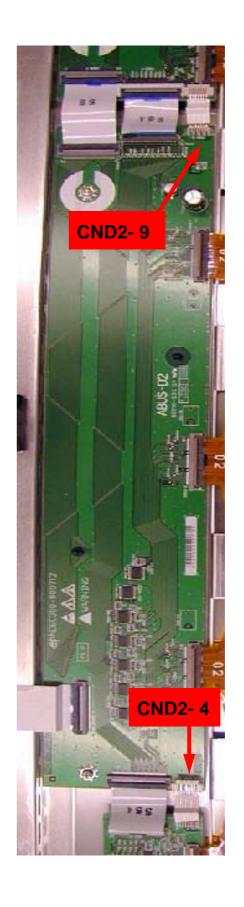
Board	Connector	Pin	Voltage	Comments	To/From	В
		01	63V	Va		
		02	63V	Va	A-BUS-U2, CNU2-4 A-BUS-U1, CNU1-4 A-BUS-U3, CNU3-5 A-BUS-U4, CNU4-3 A-BUS-U4, CNU4-3 A-BUS-U4, CNU4-3	
r-BUS-U2		03		NC		
A-BUS-U1	CNU1-4	04	5.0V	Vcc	A-BUS-U2, CNU2-4	A-
A-BUS-U1		05	5.0V	Vcc		
		06	0V	33		
		07	0V	Gnd		
		01	63V			
		02	63V			
		03				
	CNU2-4	04	5.0V	Vcc	A-BUS-U1, CNU1-4	
		05	5.0V	Vcc		
		06	0V			
1-BUS-U2		07	0V		A-BUS-U3, CNU3-5 A-BUS-U2, CNU2-7 A-BUS-U4, CNU4-3 A-BUS-U3, CNU3-10	A.
. 200 02		01	63V			
		02	63V		_	
		03				
	CNU2-7	04	5.0V		A-BUS-U2, CNU2-4 A-BUS-U1, CNU1-4 A-BUS-U3, CNU3-5 A-BUS-U2, CNU2-7 A-BUS-U4, CNU4-3	
		05	5.0V			
		06	0V			
		07	0V	Gnd		
		01	63V			
		02	63V			
	<u>CNU3-5</u>	03				
		04	5.0V	Vcc	A-BUS-U2, CNU2-7	
		05	5.0V	Vcc		
		06	0V	Gnd		
V-BI 18-1 13		07	0V	Gnd		Α
A-D00-03		01	0V	Gnd		
		02	0V			
		03	5.0V			
	CNU3-10	04	5.0V	Vcc	A-BUS-U4, CNU4-3	
		05			_	
		06	63V		A-BUS-U3, CNU3-5 A-BUS-U2, CNU2-7 A-BUS-U4, CNU4-3 A-BUS-U3, CNU3-10	
		07	63V	Va		
		01	0V			
		02	0V			
		03	5.0V			
	CNU4-3	04	5.0V		A-BUS-U3, CNU3-10	
		05		NC	1	
		06	63V	Va		
A-BLIS-LIA		07	63V	Va		A.
, 500-04		01	63V	Va		l 1^
		02	63V	Va		
		03		NC		
	CNU4-5	04	16V	Ve	X-SUS, CN23	
		05	5.0V	Vcc		
		06	0V	Gnd		
	I	07	0V	Gnd		

Board	Connector	Pin	Voltage	Comments	To/From
A-BUS-D1		01	0V	Gnd	A-BUS-D2, CND2-4
		02	0V	Gnd	
		03	5.0V	Vcc	
	<u>CND1-4</u>	04	5.0V	Vcc	
		05		NC	
		06	63V	Va	
		07	63V	Va	
A-BUS-D2	<u>CND2-4</u>	01	0V	Gnd	A-BUS-D1, CND1-4
		02	0V	Gnd	
		03	5.0V	Vcc	
		04	5.0V	Vcc	
		05		NC	
		06	63V	Va	
		07	63V	Va	
	<u>CND2-9</u>	01	0V	Gnd	A-BUS-D3, CND3-5
		02	0V	Gnd	
		03	5.0V	Vcc	
		04	5.0V	Vcc	
		05		NC	
		06	63V	Va	
		07	63V	Va	
A-BUS-D3	<u>CND3-5</u>	01	0V	Gnd	A-BUS-D2, CND2-9
		02	0V	Gnd	
		03	5.0V	Vcc	
		04	5.0V	Vcc	
		05		NC	
		06	63V	Va	
		07	63V	Va	
	CND3-12	01	63V	Va	A-BUS-D4, CND4-3
		02	63V	Va	
		03		NC	
		04	5.0V	Vcc	
		05	5.0V	Vcc	
		06	0V	Gnd	
		07	0V	Gnd	
A-BUS-D4	<u>CND4-3</u>	01	63V	Va	A-BUS-D3, CND3-12
		02	63V	Va	
		03		NC	
		04	5.0V	Vcc	
		05	5.0V	Vcc	
		06	0V	Gnd	
		07	0V	Gnd	
	<u>CND4-5</u>	01	63V	Va	X-SUS, CN24
		02	63V	Va	
		03	1	NC	
		04	16V	Ve	
		05	5.0V	Vcc	
		06	0.0 V	Gnd	
		07	0V	Gnd	

<Notes>

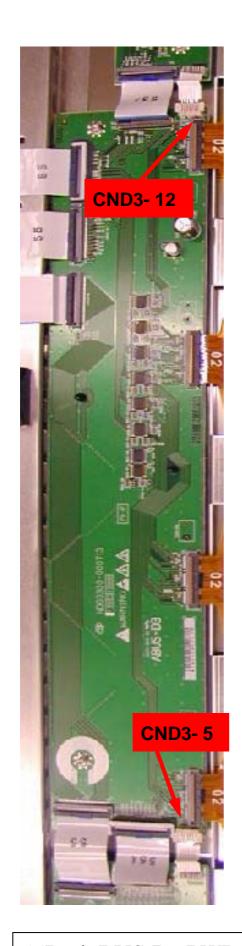
¹⁾ The following panel drive voltages (Vs, Va, Vw, Vx, Vq, Vu, Vsc) are slightly different in each panel for optimization of panel characteristic. (The above mentioned voltages are typical values.)





55P1 A-BUS-D1 PWB

55P1 A-BUS-D2 PWB



55P1 A-BUS-D3 PWB



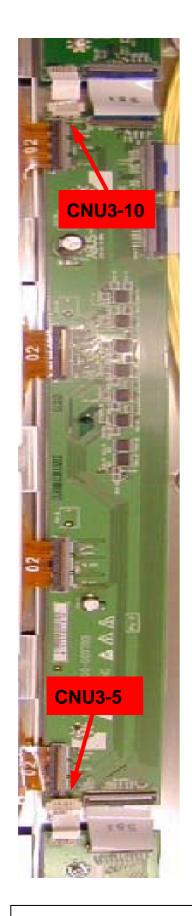
55P1 A-BUS-D4 PWB





55P1 A-BUS-U1 PWB

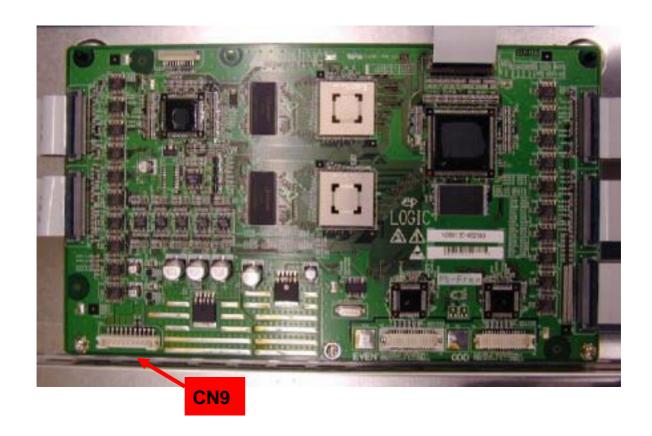
55P1 A-BUS-U2 PWB



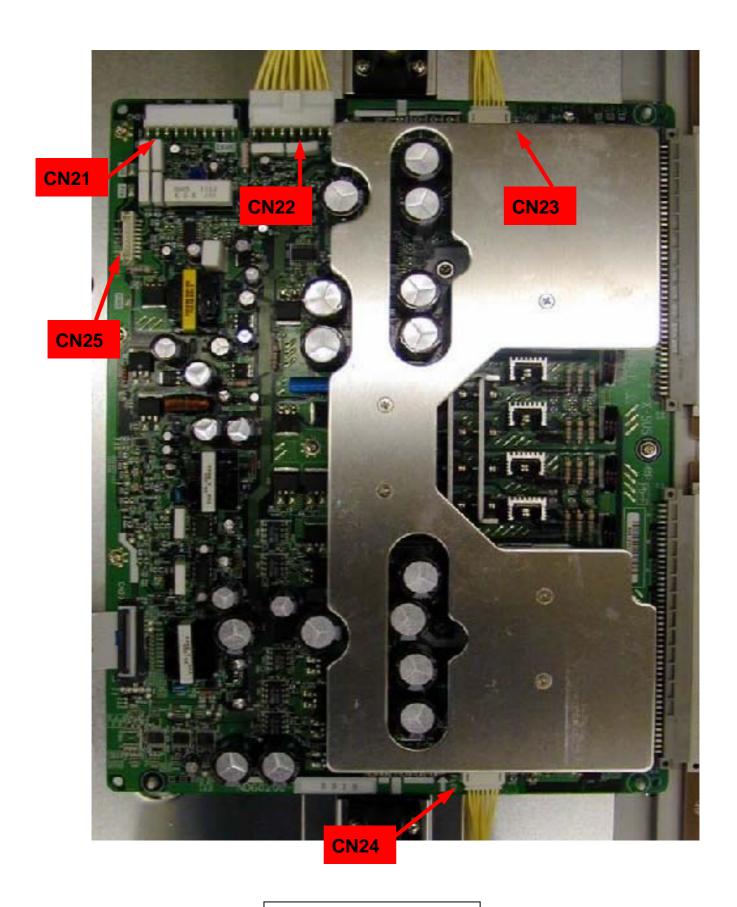


55P1 A-BUS-U3 PWB

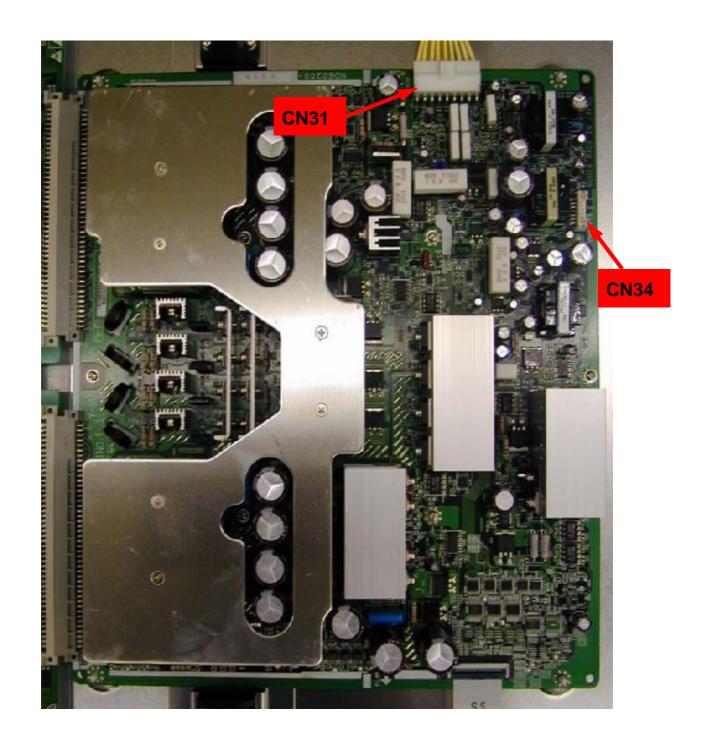
55P1 A-BUS-U4 PWB



55P1 LOGIC PWB



55P1 X-SUS PWB



55P1 Y-SUS PWB



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